VITY TECHNOLOGY

2010
CATALOG
MEETING ROOM CONTROL SYSTEM & HOME AUTOMATION

MEDIA BUS CONTROL

6 REASONS TO CHOOSE "*MEDIA BUS CONTROL*"

1 REPLACE ALL THE REMOTE CONTROL

MBC": **Media Bus Control** is the only room control and home automation system with an open architecture.
MBC system is the combination of touch panels and controllers, the communication between them is done by **MBC bus**.

Touch panels centralize and replace all the remote control, controllers drive AV and every electric devices included HVAC and receives informations (temperature, contacts, ...).

Open architecture: controllers can be driven as well by a standard PC, a Pocket PC, a smartphone or by a classic infrared remote control.

2 FULL FLEXIBILITY

Ours controllers are adapted to the installations's size and evolution.

The communication between touch panels and controllers is facilitated by the diversity of the bidirectionnal communication modes: *wired bus* (**MBC bus**, EIB-KNX bus, Ethernet), *radio wireless* (WiFi, ZigBee), infrared, *Ethernet power line* (110/230VAC). The sytem can use as well WiFi as local network (Ethernet/110/230VAC power line) or even a simple serial connexion.

IR learning is really easy, it's directly done in front of the controllers or by file transfert using IRDump software.

VIMATY can directly drive, without external controller, **EIB-KNX, infrared and RS232** devices.

The system can also work in stand-alone mode, in that mode the controller works without remote control and play predefined sequences. It's the ideal choice for automatic operations.

Several touch panels and controllers can work simultaneously on the same installation.

3 ONLY THREE ELEMENTS

The user's interface: **VIMATY/TACTUM** touch panel or **PADMATY, iTuch** keypad.
The controller: **MAXIMONO**, **MULTICUSTOM**, **MINIMONO** or **CUSTO Series**.
Programming softwares: **PC2MATY** or **Fastoch** depending on the used touch panel

4 EASY PROGRAMMING

PC2MATY and **Fastoch** softwares allows simplified and economic programming (it's is mainly made by drag and drop).

Easy programming makes possible to carry out command pages with drawings, photos, buttons and indentification in different languages.

It allows you to realize several IP gateways for multi-sites applications.

Once the application software is compiled, it is directly loaded into the touch panel.

5 RELIABILITY

The simple concept of the **Media Bus Control** makes it the most reliable of the market.

6 PRICE

All of this makes **Media Bus Control** the most economic and most powerful automation system.

DISTINCTIVE FEATURES

- Active intelligence stored into the touch panels and not into the controller.
- Photos can be displayed into the applications.
- VIMATY range allows an easy control without controller.
- ZigBee radio cellular communication.
- IR codes learning is directly done by the touch panel (VIMATY) or by the controller.
- Several touch panels and controllers can work simultaneously on the same installation.
- Controllers can work in standalone mode.
- Ethernet and Internet control.
- iTuch, through material command interface

RoHS COMPLIANT CE

Solutions d'accueil et d'information

A/V solutions

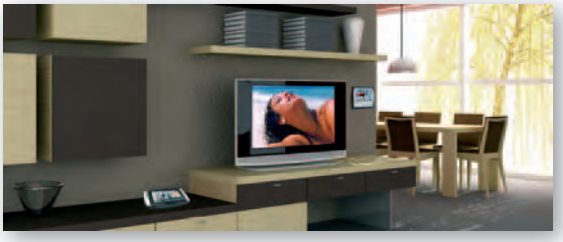
MARKETS

- Conference room
- Training room
- Meeting room
- Residential
- Schools
- Universities
- Hotels
- Museum
- Entertainement
- Home Theather
- Sports Bar
- Broadcasting
- Goverment
- Yacht - Liner
- Fitness center
- Ballrooms
- Security center
- Media control center

APPLICATIONS

MEETING ROOMS & RESIDENTIAL

- HVAC
- lighting
- Curtains
- video/audio servers
- video alarm security
- curtains
- internet control
- communication
- camera/microphone control
- whole installation power on/off
- video doorphone
- intercom
- multiple lighting control
- video preview
- timeline manager
- pool
- spa
- assistance to persons
- grass watering
- energy saving, ...



Residential solutions

Abonrd control like at home

Home supervision and management

TACTUM XP 360

TACTUM XP 360
with it's optional craddle **SDKTOP 360**

Mobility Benefits

TACTUM XP 360 is a 8.4" wireless lcd tablet touch panel of the **MBC range**. It has been made to get out of wired limitation, so the communication of the panel with the **MBC controllers** is assured by a WiFi (802.11b&g) connection. Its case assures a low weight and its high LCD brightness provide a maximum of comfort and convenience to use in commercial and residential environment. **TACTUM XP 360** can be easily integrated in an existing WiFi environment.
It can be used handheld or on its (optional) craddle like a desktop remote control.

Power and Internet

With its CPU up to 500 MHz and its Microsoft© Windows© OS, the **TACTUM XP** allows you to use any of your favorites softwares and the ability to surf the web, check your mails, watch streaming video, etc.
Through **WEN SP918** WiFi access point you can control **MBC** controllers or various devices (as audio/video servers).

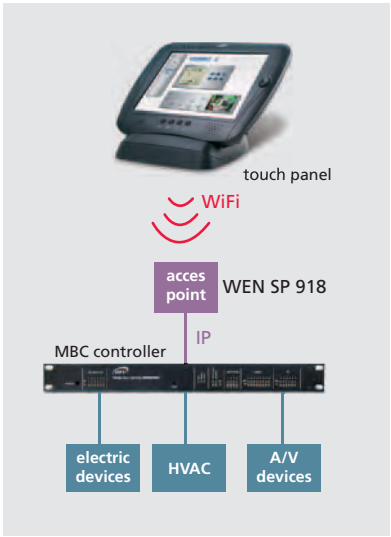
Easy Programming

TACTUM XP application is developed on a PC with **Fastoch software**, then it's compiled and stored on a compact flash inserted into the panel for more stability and reliability.

Product References

TACTUM XP 360

FASTOCH application software



SPECIFICATIONS

Screen	8.4" TFT LCD color active matrix
Touch face plate	Resistive
Resolution	800 x 600 SVGA
CPU	500MHz
Audio	mono speaker
Memory	1 GB of flash for the system - 30GB HDD option 512 MB of SDRAM
Operating system	Windows© XP embedded
Softwares	Every software made for Windows **Fastoch**® for VITY's Media Bus Control
Input - output (on the tablet)	Microphone input -Speakers Headphone on mini-jack plug - 1x PCMCIA 1x USB - 1x Slot for Compact Flash
Input - Output (on the optional craddle)	2x USB plug - 1x RJ45 1x Power supply jack
Network	WiFi 2.4GHz WLAN IEEE 802.11b&g Bluetooth
Delivery with	Compact Flash, battery 12V power supply & charger, 3.5A
Option	Desktop craddle **SDKTOP 360**
Case	magnesium - black

POWER SUPPLY AND TEMPERATURE

Battery	2h30 in use - 6 hr with MGH 360 additional battery
Temperature	from 0°C to +50°C

DIMENSIONS & WEIGHT

Dimensions - W x H x D	240 x 200 x 18 mm
Weight	860g

WENSP 918 WiFi Access Point

WiFi access point to transmit data between the **TACTUM XP** and the IP **MBC controllers**.
Ethernet connection to the IP controller.
IEEE 802.11g compliant for wireless network
DSSS modulation 2.4 GHz multi-channels frequencies.
Secured transmissions by WEP 64 128bits WEP encryption.
Output power: 18dBm. - Data rate: 11, 5.5, 2, 1Mbps.
Support web base management.
Delivery with power supply and 1 omni directional antenna – consumption: 12V/500 mA
Dimensions: W: 128 x 88 x 28 mm - Weight: 600g

Accessories

MGHCE 360
Replacement or second battery for TACTUM XP

MGHCE 360EXT
External second battery for TACTUM XP

SDKTOP 360
Craddle for TACTUM XP. Delivery with power supply

AC 360
Power supply for TACTUM XP

TACTUM XP 310

Mobility Benefits

TACTUM XP 310 is a 10.4" wireless lcd tablet touch panel of the **MBC range**. It has been made to get out of wired limitation, so the communication of the panel with the **MBC controllers** is assured by a WiFi (802.11b&g) connection. Its magnesium case assures a low weight and its high LCD brightness provide a maximum of comfort and convenience to use in commercial and residential environment. **TACTUM XP 310** can be easily integrated in an existing WiFi environment.
It can be used handheld or on its (optional) craddle like a desktop remote control.

Power and Internet

With its CPU up to 500 MHz and its Microsoft© Windows© OS, the **TACTUM XP** allows you to use any of your favorites softwares and the ability to surf the web, check your mails, watch streaming video, etc.
Through **WEN SP918** WiFi access point you can control **MBC** controllers or various devices (as audio/video servers).

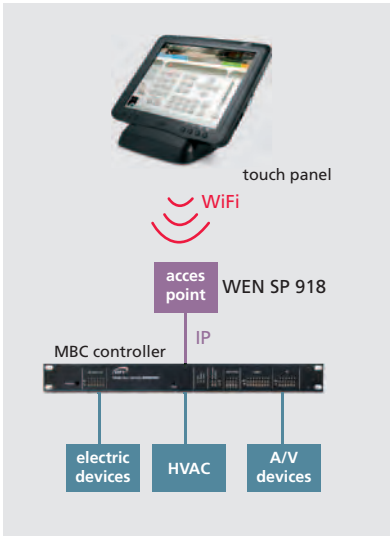
Easy Programming

TACTUM XP application is developed on a PC with **Fastoch software**, then it's compiled and stored on a compact flash inserted into the panel for more stability and reliability.

Product References

TACTUM XP 310

FASTOCH
application software



SPECIFICATIONS

Screen	10.4" TFT LCD color active matrix
Touch face plate	Resistive
Resolution	1024 x 768 XGA
CPU	500MHz
Audio	mono speaker
Memory	4 GB of flash for the system options : 60GB HDD or 32GB SSD 1 GB of SDRAM
Operating system	Windows© XP embedded
Softwares	Every software made for Windows **Fastoch**® for VITY's Media Bus Control
Input - output (on the tablet)	Microphone input -Speakers Headphone on mini-jack plug - 1x PCMCIA 1x USB - 1x Slot for Compact Flash - 1x VGA out
Input - Output (on the optional craddle)	2x USB plug - 1x RJ45 1x Power supply jack
Network	WiFi 2.4GHz WLAN IEEE 802.11b&g Bluetooth
Delivery with	Compact Flash, battery 12V power supply & charger, 3.5A
Option	Desktop craddle **SDKTOP 310**
Case	magnesium - black
POWER SUPPLY AND TEMPERATURE	
Battery	2h30 in use - 6 hr with MGH 360 additional battery
Temperature	from 0°C to +40°C
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	261 x 210 x 20 mm
Weight	930g

WENSP 918 WiFi Access Point

WiFi access point to transmit data between the **TACTUM XP** and the IP **MBC controllers**.
Ethernet connection to the IP controller.
IEEE 802.11g compliant for wireless network
DSSS modulation 2.4 GHz multi-channels frequencies.
Secured transmissions by WEP 64 128bits WEP encryption.
Output power: 18dBm. - Data rate: 11, 5.5, 2, 1Mbps.
Support web base management.
Delivery with power supply and 1 omni directional antenna – consumption: 12V/500 mA
Dimensions: W: 128 x 88 x 28 mm - Weight: 600g

Accessories

MGHCE 360
Replacement or second battery for TACTUM XP

MGHCE 360EXT
External second battery for TACTUM XP

SDKTOP 360
Craddle for TACTUM XP. Delivery with power supply

AC 360
Power supply for TACTUM XP

VIMATY 70ZR

ZigBee Wireless

VIMATY 70ZR is a radio wireless, infrared 7" 16/9 LCD color touch panel with a high quality display. 6 buttons provide an easy access to recurrent functions.
VIMATY 70ZR communicates with **MBC controllers** by radio cellular ZigBee standard. Radio cellular **bidirectional** communication allows through ZigBee access point repeater to free itself from the communication distances (20/35m in standard, 1 km with repeaters).
VIMATY 70ZR communicates with the **MBC controllers** through **ZigAccess/MB** access point.
VIMATY 70ZR can also be used a standard infrared remote control, infrared codes learning is directly done with **VIMATY 70ZR**.
It can be used handheld or on its (optional) craddle like a desktop remote control.
VIMATY 70ZR has a great functioning lifetime, up to 3 days, thanks to its lithium-ion battery.

V7TOP
desktop craddle

ZIG ACCESS Access Point

ZigAccess/MB has one **MBC** port to communicate with **MBC** contrrollers.
ZigAccess/KI has one **KNX** port and two infrared ports.
ZigAccess/S2 has two RS232 port and one **MBC** bus port.

Special Features

Instant Boot: **VIMATY** boot and wakeup time are less than one second.
Flexibility : Severla remote control can be used on the same ZigBee access point.
Compact flash: Once the **VIMATY**'s application is done, you transfer it from a PC onto a compact flash.
Infrared learner: **VIMATY** has an integrated infrared learner to makes codes learning easier.
Luminosity sensor: The sensor adapts the screen brightness according to the ambient light.
Radio access point: **Zig Access** can be used like an access point or a repeater to increase the communication range between **VIMATY 70ZR** and the **MBC** controller.
Infrared: Infrared and radio mode work simultaneously.
Battery lifetime: Up to 4 hours in usual user mode and up to 3 days in sleep mode.
Battery charging: (by external power unit) **VIMATY 70ZR** can be used and charged with or without craddle.

Product References

VIMATY 70ZR (remote only)
VIMATY 70ZR/ZA (remote + ZigAccess/MB)

PC2MATY
application software

SPECIFICATIONS

Screen	7" (17.78 cm) 16/9 TFT color active matrix
Touch face plate	Resistive
Number of colors	65M - 16bits
Resolution	800 x 480
Viewing angles	100° vertical 100° horizontal
Tilt angle	30°
Luminosity sensor	high - medium - low
Infrared receiver	with learning led
Number of infrared codes stored	up to 127
Management of date & hour	by perpetual calendar
Communication	ZigBee radio 2.4GHz, up to 35m (more than 1000m with several access point) Infrared: approx. 10m
Case	polycarbonate
Colors	shiny black and silver
Temperature	from 0°C to 50°C
SOFTWARE	
Application software	PC2MATY
Storage	Compact Flash (CF)
BATTERY - POWER SUPPLY AND CONSUMPTION	
Battery	8 Volts - 2A
Consumption	from 240 to 900 mA - 40 mA in sleeping mode
Power supply / charger	12 Volts - 4A
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	240 x 140 x 55 mm
Weight with battery	706 g

Delivery with: 2A battery, ref: **V7BT2** - external power unit - user's manual

OPTION	
Desktop craddle	**V7TOP**

ZIGACCESS Series

ZigAccess Control Gateway

ZIGACCESS is a ZigBee cellular wireless acces point. Bidirectionnal radio cellular communication allows to overcome from communication distances through repeaters/access point up to 1km.

Its mains application is to be used as a bidirectionnal access point for the **VIMATY 70ZR** ZigBee touch panel.

However wired VIMATY remote control connected to a **ZIGACCESS MBC** bus port can communicate wihtout wires, so it can solves some wiring problems.

VITY proposes different **ZigAccess** for the control of different technologies and products (RS232, IR, KNX). Every kind of **ZigAccess** can also be used as a repeater in a ZigBee network installation to ensure a better radio coverage and provide redundant path of wireless communication. It is ideal for extend the control of ZigBee devices in a residential or commercial area.

Available in white or black.

ZIGACCESS-KI
Allows to control electrical products using KNX bus and A/V devices by infrared :
1x KNX port on phoenix 2 pins connector
2x infrared outputs on mini-jack 3.5mm
Power Supplied by the KNX bus.
Sensor for Infrared code learning.
Warning: ZigAccess-KI has not got **MBC** bus port
Requires infrared emitters **VIEC 3501** or **VIEC 3502**

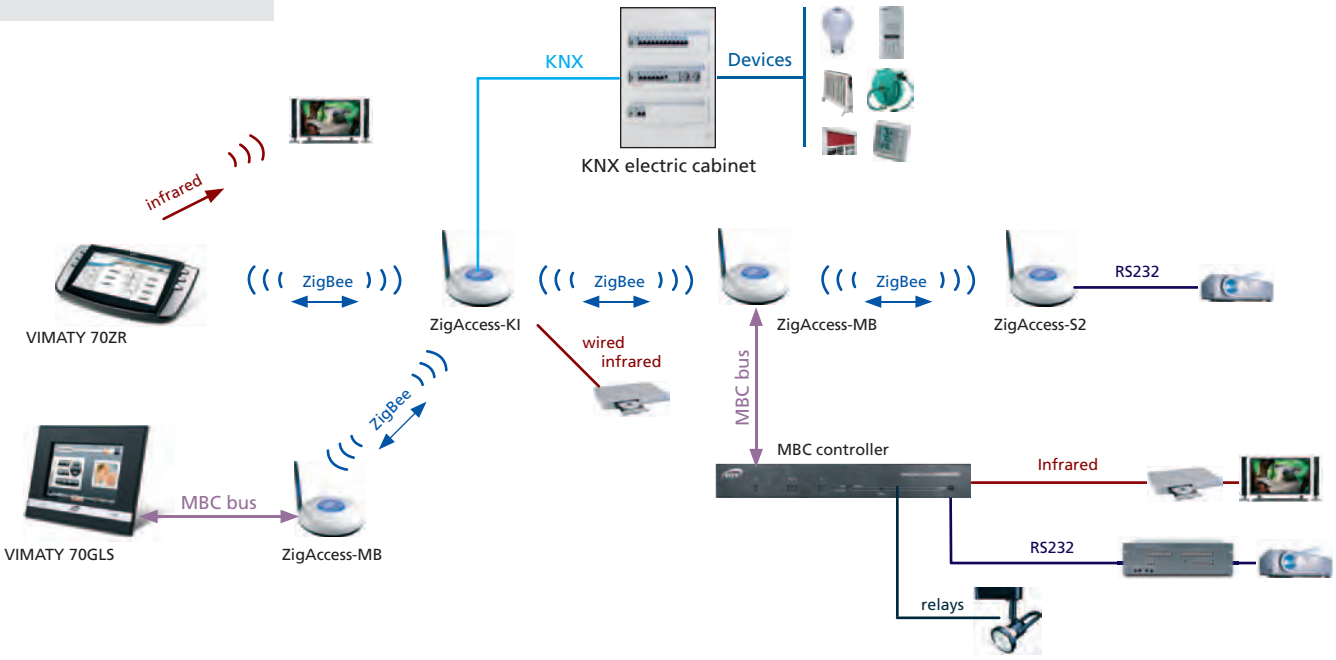
ZIGACCESS-S2
Allow to control RS232 devices as well as **MBC** controllers.
2x RS232 port on 5pins phoenix connector
1x MBC port on 3 pins phoenix connector
12V power supply on phoenix 2 pins connectors

ZIGACCESS-MB
Allows to control any **MBC** controllers.
1x MBC port on 3 pins phoenix connector
12V power supply on phoenix 2 pins connectors

Product References

ZIGACCESS-MB
ZIG/ACCESS-KI
ZIGACCESS-S2

SYNOPTIC



WZB 35

Infrared Radio

WZB 35 is an infrared and radio handheld wireless remote control. The controlled devices and their functions are displayed on a 3.5" color LCD touch panel.
WZB 35 communicates by unidirectional ZigBee radio to **WZB RF1** and **WZB RF2** radio receivers.
WZB RF1 receiver is equipped of 5 infrared wired outputs (1 is usable for MBC extension) and 1 RS232. WZB RF2 receiver has 5 relays outputs and 1 RS232.
Thanks to its built-in infrared emitter, WZB 35 allos to directly control infrared devices in his range without any interfaces.
The remote control is delivery with a cradle charger.

Built-in Programming

Infrared codes learning is directly made on the remote control.
WZB 35 has a direct learning IR code mode, it doesn't required any computer or complementary modules. Programming is really easy, you do it on the **WZB 35**, a help documentation is included into the remote control.
WZB 35 can create macros. When a macro is activated, you can see on the remote control screen the execution of the different orders.
Programming backup can be done by its USB port thru a PC. This backup can also be duplicate in others **WZB 35** remote control.

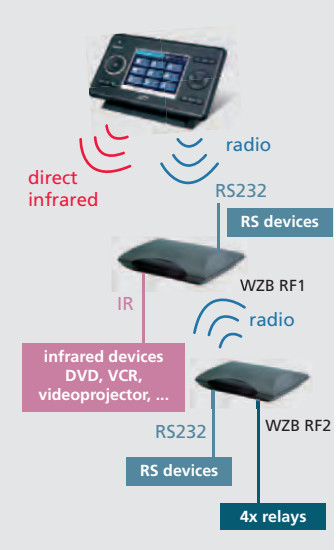
WZB 35 and MBC

The **WZB 35** control possibilities can be extended thanks to the Media Bus Control system.

Product References

WZB 35
WZB35RF1KIT (WZB35+WZB/RF1)
WZB35R2KIT
(WZB 35+WZB/RF1+WZB RF2)

SPECIFICATIONS



WZB 35 KIT

Screen	3.5" (8.89 cm) TFT color active matrix
Touch face plate	Resistive
Number of colors	65M - 16bits
Resolution	320 x 240
CPU	32 bits, 206MHz ARM9
Memory	64MB RAM and 64MB of flash
OS	Windows CE 4.2
Usable angles	120° in infrared 360° in Zig Bee radio
Communication	ZigBee radio 2.4GHz, up to 25m Infrared: approx. 10m
Case	ABS
Colors	black
Temperature	from 0°C to 50°C
BATTERY - POWER SUPPLY AND CONSUMPTION	
Battery	9 VDC - 2A - Lithium-Ion polymer - 1280 mAH
DIMENSIONS & WEIGHT	
Dimensions	160 x 99 x 17/23 mm
Weight with battery	230 g
WZB RF1	
Output	4x wired infrared on mini-jack 1x IR MBC bus port infrared on mini-jack 1x RS232 TX on mini-jack
Channels	16 different channels 16 different ID
Power supply	12VDC on Mini-jack
WZB RF2	
Output	5x relays on mini-jack - 0 to 36V - 250 mA. 1x RS232 unidirectional on mini-jack
Channels	16 different channels 16 different ID
Alimentation	12VDC sur Mini-jack

WZB RF1 ZigBee receiver
wired infrared and RS232 emitter

WZB RF2 ZigBee receiver ,
relays and RS232

PADMATY 20

Low Cost

PADMATY 20 is a powerful keypad with 20 backlighted buttons (blue leds). The keypad is delivery with 192 interchangeable pre-silked buttons in order to be adapted to the installation. Masks can be used to cover up unused key slots.
Each key can be setup to play a macro or a simple command. It's programmed with **PC2MATY** software and directly loaded into the keypad through RS232 port. The way to turns on/off or blinking of each key's backlight can be defined.
Available in desktop and inwall versions.

Direct Control

PADMATY 20, as well as **VIMATY 35/70**, has an exclusive and distinctive features: **direct control**. It allows to control simultaneously any infrared, RS232 devices **directly without controllers**. Like all our touch panels, **PADMATY 20** can also be associated with any **MBC controllers** to control more devices/machines.

connection interface box
connected to **PADMATY 20S** through RJ45 cable

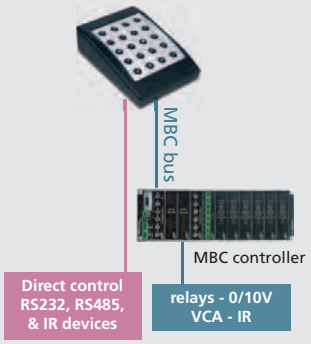
Special Features

Instant Boot: boot and wake-up time is lower than the second.
Infrared learner: **PADMATY 20** has a front panel infrared learner to learn infrared
(It needs a **VITYLAN** module to learn infrared codes via IRDump software through **Padmaty**'s IR receiver)
Infrared interpretation: Received infrared codes can be converted to actions
Macro activation: External infrared code or GPI can activate a macro sequence
Presence sensor: A built-in presence sensor can wake-up **PADMATY**
CUSTOmizable keypad: Delivery with 192 interchangeable push buttons and masks.

Product References

PADMATY 20S (wall)
PADMATY 20S/D (desktop)

PC2MATY
application software



SPECIFICATIONS

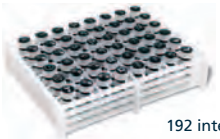
Number of keys	20 backlighted (dimmer lights)
Presence detection	up to 75 cm
Infrared receiver	up to 4 meters
Number of infrared codes stored	up to 127
Colors	Available in 2 versions: White or black and silver.
Temperature	from 0°C to 50°C
Case	Top: ABS - Craddle: metal
CONNECTION INTERFACE BOX	
Communication with PADMATY	1 RJ 45 connector
MBC bus	1 connectors of 3 wires
RS232	1 connectors of 3 wires
Infrared bus	1 output connector of 2 wires
Logic GPI or Infrared	1 input connector of 2 wires
Power supply	1 connectors of 2 wires
SOFTWARE	
Application software	PC2MATY
POWER SUPPLY AND CONSUMPTION	
Power supply	12 Volts
Consumption	200 mA - 60 mA in sleeping mode
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	143 x 96 x 50 mm
Weight	355 g

Delivery with:
PADMATY 20S/D: connection interface box - flat RJ 45 cable/3m - external power supply
PADMATY 20S: inwall box + connection interface - external power supply

OPTION	
Ethernet module	**VITYLAN** - Required to download infrared files
On wall mount box	**ONW 20**
IR connecting block 4 outputs	**VRPT 104** / Infrared emitters: **VIEC 3501**

desktop version

PADMATY is also available in desktop version. Its specifications are the same as the inwall version.



delivery with
192 interchangeable buttons

VIMATY 35

Small Size

With its 3.5" LCD monitor **VIMATY 35** is the smallest touch panel of the range. In spite of its small size, it also have on its front panel, 6 buttons for an easy access to recurrent functions.
VIMATY 35 has been design for a desktop use.

Direct Control

VIMATY 35 have an original and exclusive distinctive features: **direct control**.
It can **control** simultaneously any **infrared**, **RS232** or **EIB/KNX** devices **directly without controllers**. But like all our touch panels, **VIMATY 35** can also be associated with any **MBC** controllers to control devices/machines.

connection interface box
connected to **VIMATY 35S** through RJ45 cable

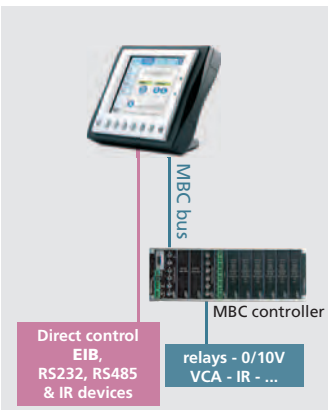
Special Features

Instant Boot: boot and wake-up time is lower than the second.
Compact flash: when the application is done, its transfer from a PC into a compact flash.
Infrared learner: built-in infrared learner to makes codes learning easier.
Infrared interpratation : received infrared codes can be converted in actions
Macro activation: External infrared code or GPI can activate a macro sequence.
Presence sensor: A built-in presence sensor can wake-up **VIMATY**
Temperature sensor: You can display ambient temperature on **VIMATY** screen.

Product References

VIMATY 35S (RS232-desktop)
VIMATY 35EIB (EIB-desktop)

PC2MATY
application software



SPECIFICATIONS

Screen	3.5" (8.89 cm) TFT color active matrix
Touch face plate	Resistive
Number of colors	65M - 16 bits
Resolution	320 x 240 (QVGA)
Viewing angles	110° vertical - 90° horizontal
Tilt angle	30°
Presence detection	up to 75 cm
Infrared receiver	for execution or IR learning
Number of infrared codes stored	up to 127
Temperature sensor	precise to +/- 0.5 °C
Management of date & hour	by perpetual calendar
Communication with connection interface	1x RJ 45
Colors	Available in 2 versions: White or black and silver.
Temperature	from 0°C to 50°C
Case	ABS
CONNECTION INTERFACE BOX	
Communication to VIMATY	1 RJ 45 connector
MBC bus	1 connectors of 3 wires
RS232	1 connectors of 3 wires **VIMATY 35S** only
Infrared bus	1 output connector of 2 wires
KNX	1 output connector of 2 wires **VIMATY 35EIB** only
Logic GPI or Infrared	1 input connector of 2 wires **VIMATY 35S** only
Power supply	1 connectors of 2 wires
SOFTWARE	
Application software	**PC2MATY**
Storage	Compact Flash (CF)
POWER SUPPLY AND CONSUMPTION	
Power supply	12 Volts
Consumption	200 mA - 75 mA in sleeping mode
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	125 x 88 x 26 mm
Weight	250 g

Delivery with: connection interface box - flat RJ 45 cable/3m - external power unit

OPTION	
Ethernet module	**VITYLAN**
IR connecting block 4 outputs	**VRPT 104**
Infrared emitters	**VIEC 3501**

EIB/KNX versions

MEMBER KNX

VIMATY 35EIB are technically very interesting, they have a direct connection for EIB/KNX bus to control EIB any modules on the market (Hager, Schneider Electric, Siemens, Merten, ABB, Jung, Theben, Gira, Siedle, Berker, ...).

So you can drive from **VIMATY 35EIB** any KNX devices like lights, HVAC, shutters, security systems, weather controller, and much more ... with 2 wires only.

A/V devices can be directly driven by infrared with **VIMATY 35EIB** or through a **MBC** controller.

VIMATY 35WALL

Small Size

With its 3.5" LCD monitor **VIMATY 35WALL** is the smallest touch panel of the range. In spite of its small size, it also have on its front panel, 6 buttons for an easy access to recurrent functions.
VIMATY 35WALL has been designed for an inwall or furniture mount. Thanks to its optional **OWN 35**, **VIMATY 35WALL** can be onwall mounted or fitted in an US double gang box through **SLB 35** bezel.

Direct Control

VIMATY 35WALL have an original and exclusive distinctive features: **direct control**.
It can **control** simultaneously any **infrared**, **RS232** or **EIB/KNX** devices **directly without controllers**. But like all our touch panels, **VIMATY 35WALL** can also be associated with any Media Bus Control controllers (see controllers part) to control devices/machines.

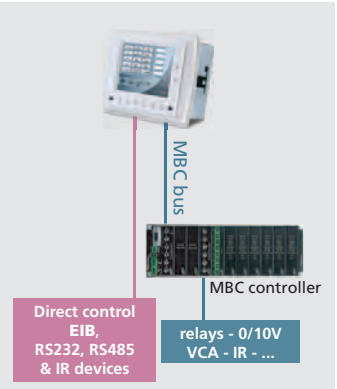
Special Features

Instant Boot: boot and wake-up time is lower than the second.
Compact flash: when the application is done, its transfer from a PC into a compact flash.
Infrared learner: built-in infrared learner to makes codes learning easier.
Infrared interpratation : received infrared codes can be converted in actions
Macro activation: External infrared code or GPI can activate a macro sequence.
Presence sensor: A built-in presence sensor can wake-up **VIMATY**
Temperature sensor: You can display ambient temperature on **VIMATY** screen.
Back box: Inwall metal back box has the connection interface built-in and fixing grip for an easier integration.

Product References

VIMATY 35S/WALL (RS232-wall)
VIMATY 35EIB/WALL(EIB-wall)

PC2MATY
application software



ONW 35

SLB 35

SPECIFICATIONS

Screen	3.5" (8.89 cm) TFT color active matrix
Touch face plate	Resistive
Number of colors	65M - 16 bits
Resolution	320 x 240 (QVGA)
Viewing angles	110° vertical - 90° horizontal
Tilt angle	30°
Presence detection	up to 75 cm
Infrared receiver	with learning led
Number of infrared codes stored	up to 127
Temperature sensor	precise to +/- 0.5 °C
Management of date & hour	by perpetual calendar
Communication with connection interface	connection 1 RJ 45 connector
Colors	Available in 2 versions: White or black and silver.
Temperature	from 0°C to 50°C
Case	ABS
CONNECTION	
MBC bus	1 connectors of 3 wires
RS232	1 connectors of 3 wires **VIMATY 35S/WALL** only
Infrared bus	1 output connector of 2 wires
KNX	1 output connector of 2 wires **VIMATY 35EIB/WALL** only
Logic GPI or Infrared	1 input connector of 2 wires **VIMATY 35S/WALL** only
Power supply	1 connectors of 2 wires
SOFTWARE	
Application software	**PC2MATY**
Storage	Compact Flash (CF)
POWER SUPPLY AND CONSUMPTION	
Power supply	12 Volts
Consumption	200 mA - 75 mA in sleeping mode
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	125 x 92 x 49 mm
Weight	250 g

Delivery with: inwall box with connection interface - flat RJ 45 cable/3m - external power unit

OPTION	
Ethernet module	**VITYLAN**
On wall mount box	**ONW 35**
Metal bezel 2 US gang box	**SLB 35**
IR connecting block 4 outputs	**VRPT 104**
Infrared emitters	**VIEC 3501A**

EIB/KNX versions

MEMBER KNX

VIMATY 35EIB/WALL are technically very interesting, they have a direct connection for EIB/KNX bus to control EIB any modules on the market (Hager, Schneider Electric, Siemens, Merten, ABB, Jung, Theben, Gira, Siedle, Berker, ...).

So you can drive from **VIMATY 35EIB/WALL** any KNX devices like lights, HVAC, shutters, security systems, weather controller, and much more ... with 2 wires only.

A/V devices can be directly driven by infrared with **VIMATY 35EIB/WALL** or through a **MBC** controller.

VIMATY 70

Video Inputs

VIMATY 70 is a 7" 16/9 high resolution LCD color touch panel. One of its most interesting feature is the video inputs. 4 inputs in composite or 2 in s-video. The video is displayed has a scalable video overlay, it can be use for security camera visualization, documents preview, video preview etc.
VIMATY 70 have on its front panel, 6 buttons for an easy access to recurrent functions. **VIMATY 70** has been designed for a desktop use and specially for commercial application.

Direct Control

VIMATY 70 have an original and exclusive distinctive features: **direct control**.
It can **control** simultaneously any **infrared**, **RS232** or **EIB/KNX** devices **directly without controllers**. But like all our touch panels, **VIMATY 70** can also be associated with any **MBC** controllers to control more devices/machines.

connection interface box
connected to **VIMATY 70** through RJ45 cable

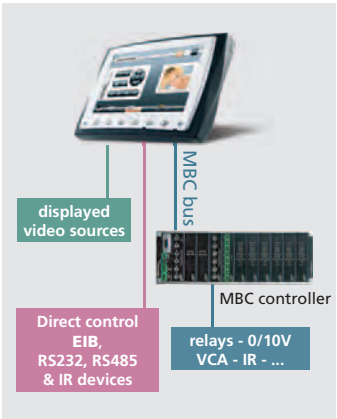
Special Features

Instant Boot: boot and wake-up time is lower than the second.
Compact flash: when the application is done, its transfer from a PC into a compact flash.
Infrared learner: built-in infrared learner to makes codes learning easier.
Infrared interpretation: Received infrared codes can be converted to actions
Macro activation: External infrared code or GPI can activate a macro sequence.
Presence sensor: A built-in presence sensor can wake-up **VIMATY 70**

Product References

VIMATY 70S (RS232-desktop)
VIMATY 70EIB (EIB-desktop)

PC2MATY
application software



SPECIFICATIONS

Screen	7" (17.78 cm) 16/9 TFT color active matrix
Touch face plate	Resistive
Number of colors	65M - 16bits
Resolution	800 x 480
Viewing angles	100° vertical - 100° horizontal
Tilt angle	30°
Presence detection	up to 75 cm
Infrared receiver	for execution or IR learning
Number of infrared codes stored	up to 127
Management of date & hour	by perpetual calendar
Communication with connection interface	1x RJ 45
Colors	Available in 2 versions: White or black and silver.
Video inputs	4 CVBS or 2YC or 1 YC + CVBS
Video standard	PAL / NTSC
Temperature	from 0°C to 50°C
Case	ABS
CONNECTION INTERFACE BOX	
Communication with VIMATY	1x RJ 45
MBC bus	1 connectors of 3 wires
RS232	1 connectors of 3 wires **VIMATY70S** only
Infrared bus	1 output connector of 2 wires
KNX	1 output connector of 2 wires **VIMATY70EIB** only
Logic GPI or Infrared	1 input connector of 2 wires **VIMATY70S** only
Power supply	1 connectors of 2 wires
SOFTWARE	
Application software	**PC2MATY**
Storage	Compact Flash (CF)
POWER SUPPLY AND CONSUMPTION	
Power supply	12 Volts
Consumption	800 mA - 150 mA in sleeping mode
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	214 x 125 x 35 mm
Weight	750 g

Delivery with: connection interface box - flat RJ 45 cable/3m - external power unit

OPTION	
Ethernet module	**VITYLAN**
IR connecting block 4 outputs	**VRPT 104**
Infrared emitters	**VIEC 3501**

EIB/KNX versions

MEMBER KNX

VIMATY 70EIB are technically very interesting, they have a direct connection for EIB/KNX bus to control EIB any modules on the market (Hager, Schneider Electric, Siemens, Merten, ABB, Jung, Theben, Gira, Siedle, Berker, ...).

So you can drive from **VIMATY 70EIB** any KNX devices like lights, HVAC, shutters, security systems, weather controller, and much more ... with 2 wires only

A/V devices can be directly driven by infrared or with **VIMATY 70EIB** or with a **MBC** controller.

VIMATY 70GLS

Video Inputs

VIMATY 70GLS is a 7" 16/9 high resolution LCD color touch panel. One of its most interesting feature is the video inputs. 4 inputs in composite or 2 in s-video. The video is displayed has a scalable video overlay, it can be use for security camera visualization, documents preview, video preview etc. With its purified design, **VIMATY 70GLS** perfectly suits to residential integrations.

Direct Control

VIMATY 70GLS have an original and exclusive distinctive features: **direct control**.
It can **control** simultaneously any **infrared**, **RS232** or **EIB/KNX** devices **directly without controllers**. But like all our touch panels, **VIMATY 70GLS** can also be associated with any **MBC** controllers to control more devices/machines.

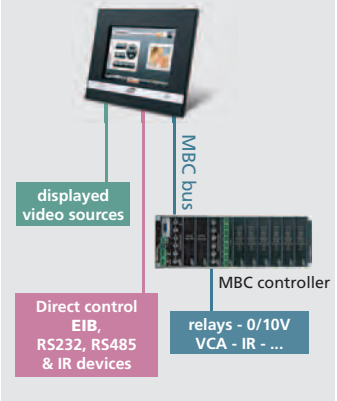
Special Features

Instant Boot: boot and wake-up time is lower than the second.
Compact flash: when the application is done, its transfer from a PC into a compact flash.
Infrared learner: built-in infrared learner to makes codes learning easier.
Infrared interpretation: Received infrared codes can be converted to actions
Macro activation: External infrared code or GPI can activate a macro sequence.
Presence sensor: A built-in presence sensor can wake-up **VIMATY 70GLS**
Easy mount: Removable front panel and Batibox® mount box.

Product References

VIMATY 70S/GLS (RS232-wall)
VIMATY 70EIB/GLS (EIB-wall)

PC2MATY
application software



SPECIFICATIONS

Screen	7" (17.78 cm) 16/9 TFT color active matrix
Touch face plate	Resistive
Number of colors	65M - 16bits
Resolution	800 x 480
Viewing angles	100° vertical 100° horizontal
Tilt angle	30°
Presence detection	up to 75 cm
Infrared receiver	for execution or IR learning
Number of infrared codes stored	up to 127
Management of date & hour	by perpetual calendar
Communication with connection interface	connection 1 RJ 45 connector
Colors	Front panel available in white or black.
Video inputs	4 CVBS or 2YC or 1 YC + CVBS
Video standard	PAL / NTSC
Temperature	from 0°C to 50°C
Case	Inox and plexiglass - Batibox® mouting box
CONNECTION	
MBC bus	1 connectors of 3 wires
RS232	1 connectors of 3 wires **VIMATY70GLS** only
Infrared bus	1 output connector of 2 wires
KNX	1 output connector of 2 wires **VIMATY70EIB/GLS** only
Logic GPI or Infrared	1 input connector of 2 wires **VIMATY70S/GLS** only
Power supply	1 connectors of 2 wires
SOFTWARE	
Application software	**PC2MATY**
Storage	Compact Flash (CF)
POWER SUPPLY AND CONSUMPTION	
Power supply	12 Volts
Consumption	800 mA - 150 mA in sleeping mode
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	234 x 168 x 59 mm
Weight	1.16 kg

Delivery with: inwall box with connection interface - flat RJ 45 cable/3m - external power unit

OPTION	
Ethernet module	**VITYLAN**
IR connecting block 4 outputs	**VRPT 104**
Infrared emitters	**VIEC 3501A**

EIB/KNX versions

MEMBER KNX

VIMATY 70EIB/GLS are technically very interesting, they have a direct connection for EIB/KNX bus to control EIB any modules on the market (Hager, Schneider Electric, Siemens, Merten, ABB, Jung, Theben, Gira, Siedle, Berker, ...).

So you can drive from **VIMATY 70EIB/GLS** any KNX devices like lights, HVAC, shutters, security systems, weather controller, and much more ... with 2 wires only.

A/V devices can be directly driven by infrared or with **VIMATY 70EIB/GLS** or with a **MBC** controller.

TACTUM 10MXP

Remote control and Supervision

TACTUM 10MXP is a new philosophy of remote control with buit-in fanless CPU, it uses the whole multimedia power to drive all residential or corporate environment. **TACTUM 10MXP** can be used on wall or flushed in a wall or a furniture. With it's 10", 16/9 screen format and 1024 x 600 resolution, it displays stunning high resolution images.

It communicates with the MBC controllers by Ethernet IP.

Thanks to its built-in microphone and camera, **TACTUM 10MXP** can be use for videoconference, video doorphone, ...

TACTUM 10MXP can be used as a local audio server to broadcast music through its loudspeaker or external amplifier.

Ethernet link can be used to drive **MBC** controllers or directly some media/audio/video servers devices.

RS232 port can be use to directly drive routing switchers, videoprojector, ...

With its camera and microphone, it's possible to survey the room.

TACTUM 10MXP can be used as a web server to control away your home by PC or mobile phone.

Connected to the **CUSTOLAN EIB** module, it can supervise a KNX bus installation.

Displayed applications are developed with PC2MATY and FASTOCH software.

Special Features

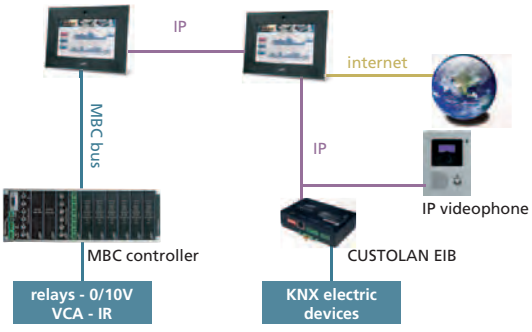
Fanless: For silent and low consumption
Multi-applications: Onwall or flush mount
Communication: Ethernet
Loud speakers: plays audio files thanks to its front panel loud speaker.
Front panel camera/micro : 0.3Mpix
Multimedia I/O: TV, audio, microphone.
Server: Can be used as a web server - audio server
Power supply: can be powered from 10 to 15 VDC
Front panel: Stainless steal and black glossy frame
Inwal integration: inwall box delivery.

Product References

TACTUM 10MXP

FASTOCH

PC2MATY application software



SPECIFICATIONS

Screen	10.2" (25.9 cm) TFT color active matrix 16/9
Touch face plate	Resistive
Resolution	1024 x 600 WGA - 262144 colors
Brightness	300 cd/m² - led backlight
Contrast ratio	500:1
Viewing angle	H: 150° x V: 150°
CPU	1.66GHz
RAM	1GB DDRII
Storage	2GB CF card
Communication	2x LAN 10/100 BaseT on RJ45 plug 1x RS232 on RJ45 plug 1x MBC bus on RJ45 plug 4x USB2
Audio	2x 1.5W loudspeaker
Video	0.3Mpx webcam + microphone
Application software	**PC2MATY / FASTOCH FLH**
POWER SUPPLY AND TEMPERATURE	
Power supply	12VDC - 4A
Temperature	from 0°C to +50°C
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	293 x 222 x 65 mm
Weight	4.5 kg
OPTIONS	
TU MXP	DVBT - Analog TV tuner / depends of countries

TACTUM 15MXP

Remote control and Supervision

TACTUM 15MXP is a new philosophy of remote control with buit-in fanless CPU, it uses the whole multimedia power to drive all residential or corporate environment. **TACTUM 15MXP** can be used on wall or flushed in a wall or a furniture. With it's 15.4", 16/9 screen format and 1280 x 800 resolution, it displays stunning high resolution images.

It communicates with the MBC controllers by Ethernet IP.

Several composite video and audio inputs allows a multimedia display and communication. Thanks to its built-in microphone and camera, **TACTUM 15MXP** can be use for videoconference, video doorphone, ...

TACTUM 15MXP can be used as a local audio server to broadcast music through its loudspeaker or external amplifier.

1 other USB ports is available on front panel for USB applications such as photo, music, video download or even for keyboard and mouse.

Ethernet link can be used to drive MBC controllers or directly some media/audio/video servers devices.

RS232 port can be use to directly drive routing switchers, videoprojector, ...

Equipped with a built-in hub it allows to connect several **TACTUM 15MXP** without external hub so as to simplify the wiring.

Frontal microphone and one video input allows to use **TACTUM 15MXP** for video-doorphone applications.

With its camera and microphone, it's possible to survey the room.

TACTUM 15MXP can as a web server and control remotely your home by PC or mobile phone.

Connected to the **CUSTOLAN EIB** module, it can supervise a KNX bus installation.

Applications displayed on the touch panel are developed with PC2MATY and FASTOCH FLH software.

Special Features

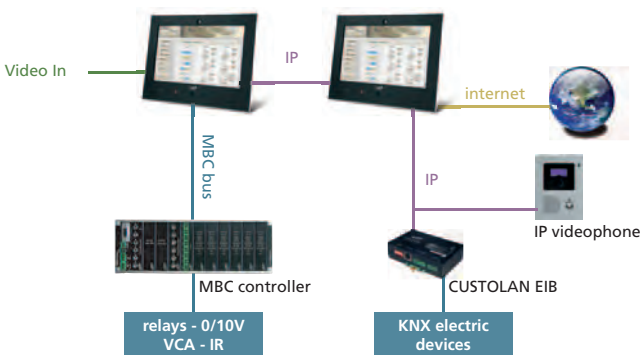
Fanless: For silent and low consumption
Multi-applications: Onwall or flush mount
Communication: Ethernet
Built-in hub : To link several IP devices
Loud speakers: plays audio files thanks to its front panel loud speaker.
Multimedia I/O: Composite video PAL/NTSC, TV, audio, line and microphone.
Auto-start front panel: push button turns on/off the application
Video input: can display video camera or TV
Server: Can be used as a web server - audio server
Power supply: can be powered from 10 to 15 VDC
Front panel: Stainless steal and black glossy frame
Inwal integration: inwall box delivery.

Product References

TACTUM 15MXP

FASTOCH

PC2MATY
application software



SPECIFICATIONS

Screen	15.4" (39 cm) TFT color active matrix 16/9
Touch face plate	Resistive
Resolution	1280 x 800 WGA - 262144 colors
Brightness	450 cd/m²
Contrast ratio	600:1
Viewing angle	H: 160° x V: 110°
CPU	1 GHz
RAM	DDR SO-DIMM 512MB
Storage	2x CF card. optional: 40GB 2.5" HDD
Port	2x CF card
Communication	1x LAN 10/100 BaseT on RJ45 plug 1x HUB LAN on RJ45 1x RS232 on DB 9 1x MBC bus - 3 pins detachable phoenix connector 2x USB2
Audio	1x Built-in microphone 1x line in on 3.5 mm stereo mini-jack 1x micro in on 3.5 mm mini-jack 1x line out on 3.5 mm stereo mini-jack 1x 3w loudspeaker
Video	2Mpx autofocus webcam 2x CV PAL/NTSC inputs - RCA F plug
Application software	**PC2MATY / FASTOCH FLH**
POWER SUPPLY AND TEMPERATURE	
Power supply	12VDC - 6A
Temperature	from 0°C to +50°C
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	410 x 320 x 75 mm
Weight	5 kg
OPTIONS	
BRK 15MXP	onwall mount
TU MXP	DVBT - Analog TV tuner / depends of countries

TACTUM 13DKP

Remote control and Supervision

TACTUM 13DKP is a new philosophy of remote control with buit-in fanless CPU, it uses the whole multimedia power to drive conference room, control room and corporate environment. **TACTUM 13DKP** can be used on a desktop. With its 13", 16/9 screen format and 1280 x 800 resolution, it displays stunning high resolution images.

It communicates with the MBC controllers by Ethernet IP.

Two composite video and audio inputs allows a multimedia display and communication.

2 USB ports are available for USB applications such as presentations, photo, video or for keyboard and mouse.

Ethernet link can be used to drive **MBC** controllers or directly some media/audio/video servers devices.

RS232 port can be use to directly drive routing switchers, videoprojector, ...

Equipped with a built-in hub it allows to connect several **TACTUM 13DKP** without external hub so as to simplify the wiring.

TACTUM 13DKP can be used as a web server to control your office by PC or mobile phone.

Connected to the **CUSTOLAN EIB** module, it can supervise a KNX bus installation.

Applications displayed on the touch panel are developed with PC2MATY and FASTOCH FLH software.

Special Features

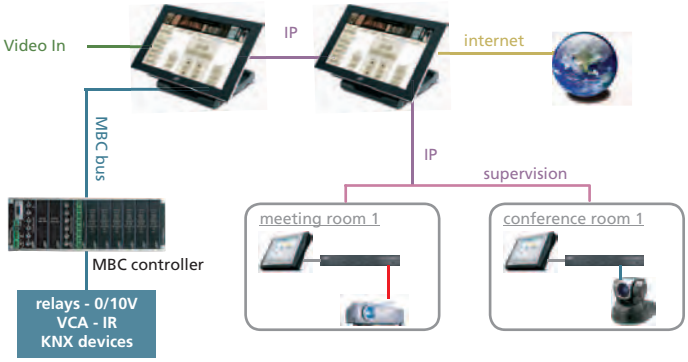
Fanless: For silent and low consumption
Communication: Ethernet
Built-in hub : To link several IP devices
Loud speakers: plays audio files thanks to its loud speakers.
Multimedia I/O: Composite video PAL/NTSC, audio, line.
Video input: can display video sources
Server: Can be used as a web server
Power supply: can be powered from 10 to 15 VDC
Table stand : strong and multipositions
Front panel: Stainless inox and black glossy frame

Product References

TACTUM 13DKP

FASTOCH

PC2MATY application software



SPECIFICATIONS

Screen	13" (33 cm) TFT color active matrix 16/9
Touch face plate	Resistive
Resolution	1280 x 800 WGA - 262144 colors
Brightness	250 cd/m²
Contrast ratio	500:1
Viewing angle	H: 90° x V: 65°
CPU	1 GHz
RAM	DDR SO-DIMM 512MB
Storage	2x CF card. optional: 40GB 2.5" HDD
Port	2x CF card
Communication	1x LAN 10/100 BaseT on RJ45 plug 1x HUB LAN on RJ45 1x RS232 on DB 9 1x MBC bus - 3 pins detachable phoenix connector 2x USB2
Audio	1x line in on 3.5 mm stereo mini-jack 1x micro in on 3.5 mm mini-jack 1x line out on 3.5 mm stereo mini-jack 2x 3w loudspeakers
Video	2x CV PAL/NTSC inputs - RCA F plug
Application software	**PC2MATY / FASTOCH FLH**
POWER SUPPLY AND TEMPERATURE	
Power supply	12VDC - 6A
Temperature	from 0°C to +50°C
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	350 x 229 x 60 mm (w/o foot)
Weight	5.2 kg
OPTIONS	
BRK 13DKP	onwall vesa mount

TACTUM 15DKP

Remote control and Supervision

TACTUM 15DKP is a new philosophy of remote control with buit-in fanless CPU, it uses the whole multimedia power to drive conference room, control room and corporate environment. **TACTUM 15DKP** can be used on a desktop. With its 15", 16/9 screen format and 1280 x 800 resolution, it displays stunning high resolution images.

It communicates with the MBC controllers by Ethernet IP.

Two composite video and audio inputs allows a multimedia display and communication.

2 USB ports are available for USB applications such as presentations, photo, video or for keyboard and mouse.

Ethernet link can be used to drive **MBC** controllers or directly some media/audio/video servers devices.

RS232 port can be use to directly drive routing switchers, videoprojector, ...

Equipped with a built-in hub it allows to connect several **TACTUM 15DKP** without external hub so as to simplify the wiring.

TACTUM 15DKP can be used as a web server to control your office by PC or mobile phone.

Connected to the **CUSTOLAN EIB** module, it can supervise a KNX bus installation.

Applications displayed on the touch panel are developed with PC2MATY and FASTOCH FLH software.

Special Features

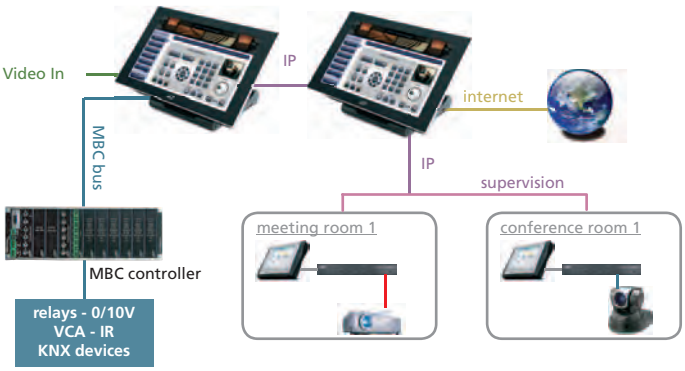
Fanless: For silent and low consumption
Communication: Ethernet
Built-in hub : To link several IP devices
Loud speakers: plays audio files thanks to its loud speakers.
Multimedia I/O: Composite video PAL/NTSC, audio, line.
Video input: can display video sources
Server: Can be used as a web server
Power supply: can be powered from 10 to 15 VDC
Table stand : strong and multipositions
Front panel: Stainless inox and black glossy frame

Product References

TACTUM 15DKP

FASTOCH

PC2MATY application software



SPECIFICATIONS

Screen	15.4" (39 cm) TFT color active matrix 16/9
Touch face plate	Resistive
Resolution	1280 x 800 WGA - 262144 colors
Brightness	450 cd/m²
Contrast ratio	600:1
Viewing angle	H: 160° x V: 110°
CPU	1 GHz
RAM	DDR SO-DIMM 512MB
Storage	2x CF card. optional: 40GB 2.5" HDD
Port	2x CF card
Communication	1x LAN 10/100 BaseT on RJ45 plug 1x HUB LAN on RJ45 1x RS232 on DB 9 1x MBC bus - 3 pins detachable phoenix connector 2x USB2
Audio	1x line in on 3.5 mm stereo mini-jack 1x micro in on 3.5 mm mini-jack 1x line out on 3.5 mm stereo mini-jack 2x 3w loudspeakers
Video	2x CV PAL/NTSC inputs - RCA F plug
Application software	**PC2MATY / FASTOCH FLH**
POWER SUPPLY AND TEMPERATURE	
Power supply	12VDC - 6A
Temperature	from 0°C to +50°C
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	385 x 255 x 64 mm (w/o foot)
Weight	6.1 kg
OPTIONS	
BRK 15DKP	onwall vesa mount

TACBOX 16D

Supervisor Hub

TACBOX 16D is a coordinator/supervisor; it centralises the commands of IP touch-sensitive remote controls of the TACTUM range to dispatch them to the various **MBC** IP controllers that it monitors.

TACBOX 16D monitors, manages and processes the status of various devices controlled through **MBC** controllers; It informs the touch panel remote controls at all times about the overall status of an installation, whether the remote controls are: In use or exiting stand-by mode, by providing them the information that is useful and necessary, thereby relieving them of the decryption of RS-232 or IP network information.
This makes it possible to place the touch-sensitive remote controls on standby, without fear of losing the system status and thus saving power.

TACBOX 16D enables better synchronisation between **TACTUM** IP remote controls and **VIMATY** technology remote controls: Memory exchange, synchronisation of displayed pages, enables **VIMATY** touch panels to control IP devices (one-way operation, without possibility of feedback in this case).

As coordinator it can unburden the remote controls of large macros such as calendar macros (watering the garden, for example) or complex macros such as those of presence simulation.

As coordinator/supervisor, it includes the **standalone** function enabling it to execute, without remote control, complex actions as well as macros on reception of any type of external command (IR, dry contacts, RS- 232, KNX, TCP/IP etc.).

TACBOX 16D enables through its web server the remote piloting by internet of the installation either through a PC, smartphone, iPhone, etc. using the same graphical interface as the one present on the **TACTUM** IP screens or through completely different control pages.

For the installer, the *console* function enables locally or remotely by Internet to control in real time the proper sending of commands and feedback.

TACBOX 16D and **TACTUM** remote controls can be updated remotely.

TACBOX 16D is compatible with the **Fastoch FLH** and **PC2MATY** player software.

Example of web control.

Special Features

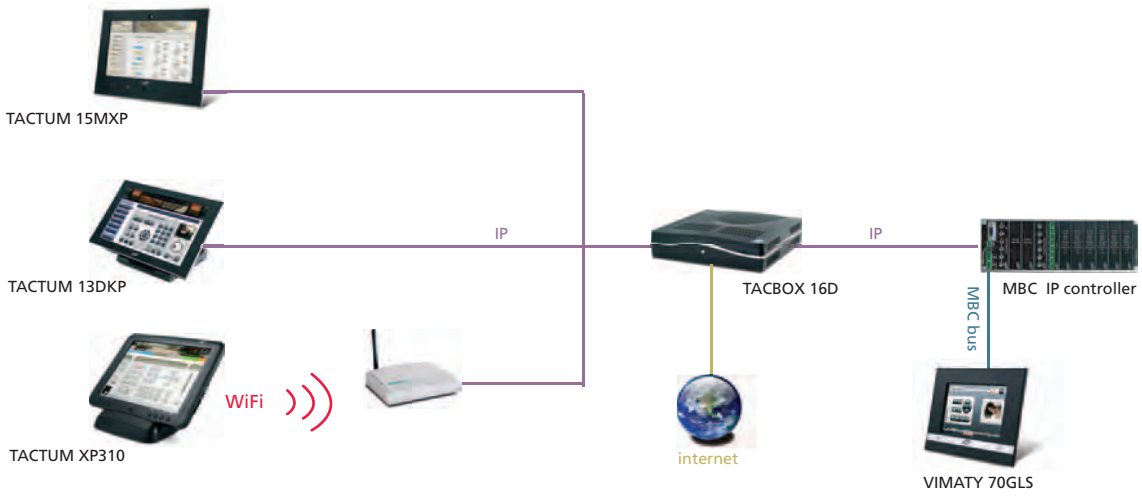
Fanless : Silent and reliable
Communication : Ethernet.
VESA fix: for wall mount.

Product References

TACBOX 16DX XP Embbbed version
TACBOX 16DL Linux version

SPECIFICATIONS

CPU	ATOM 1.6GHz
Storage	160Go - 2.5"
Communication	1x Ethernet 10/100/1000GB
Power supply	12VDC / 60W
Dimensions	18 x 18 x 4 cm
Weight	940g



IRAC 8

rear view

IRAC 8

Infrared interface, RS232 compliant.

Specialy studied to control infrared air conditioners or any infrared devices controlled by long and/or complex infrared codes.
Can control up to 8 infrared devices (any output can be set as a RS232 unidirectional router).

IRAC8 can be sets with some infrared and RS232 ouputs.

Easy programming by *Hyperterminal* or by PC2MATY.

Front panel infrared codes learning with the original remote control.

Can learn long infrared codes, up to 256 address.

"Pronto" infrared codes compliant.

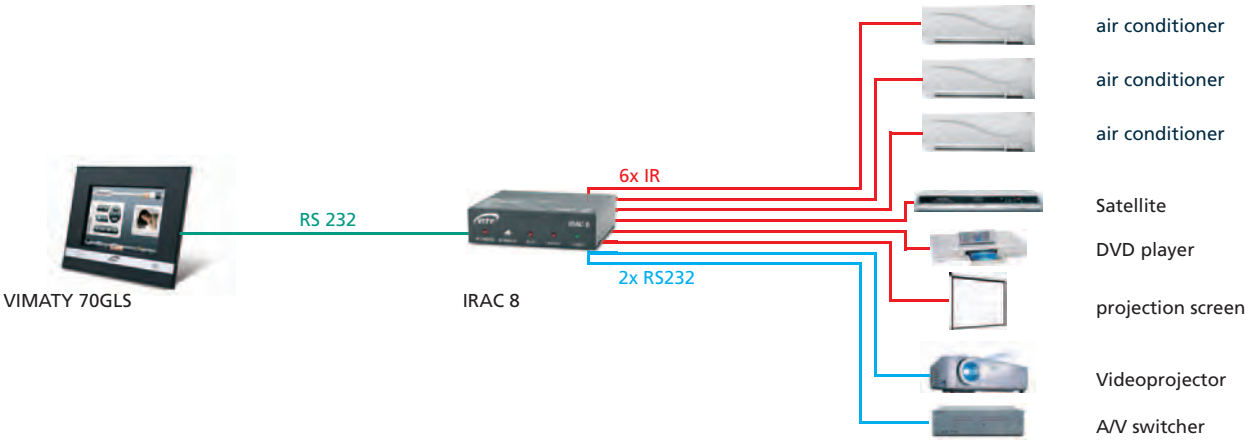
Options : infrared emitter **VIEC 3501A**

PRODUCT REFERENCES

IRAC 8

SPECIFICATIONS

Outputs	8 infrared and/or RS232 *Infrared Subcarrier:* 39.5kHz, 38.4 kHz, 37.4kHz *RS232 communication :* Lenght: 7 ou 8 bits Parity : none - even - odd Speed: up to 115200 bps Messages lenght : 128 bytes
Inputs	1x RS232 Rx Tx on 3 pins Phoenix terminal block
Speed	9600bps
Power supply, external	12VDC - delivery
DIMENSIONS & WEIGHT	
Dimensions	110 x 30 x 103 mm
Weight	300g



MULTICUSTOM presentation

MULTICUSTOM

The main word to characterize MULTICUSTOM is flexibility. **MULTICUSTOM** is a open architecture modular controller, that means it's possible to insert 10 different cards modules in each **MULTICUSTOM**main box. Every card modules is available individually for a maximum of flexibility and simplicity.

Imagine in the same case you can combine infrared I/O, RS232, X10, relays, 0-10, VCA, GPI and KNX. Several indentical **MCM card module** can be used in the main case. The possibilities are very extended.

VITY's remote controls can communicate with **MULTICUSTOM** using **MBC** wired bus (**MULTICUSTOM/485**) or LAN through MBC LAN module (**MULTICUSTOM/IP**). The controller can also be controlled by a standard PC using Ethernet and web. **MULTICUSTOM** is specially designed to expand up professional installations like conferences rooms, multi-room control, residences, houses, ...

Product References

MULTICUSTOM/IP
MULTICUSTOM/485

MEMBER KNX

KNX Control

With its **MCM EIB** module you can drive devices through its dedicated bus. **EIB-KNX** is an international standard bus used into an electric closet to simplify the communication between the different electric commands. Thanks to the EIB module and without specific interface you can control every electrical system of a house or building (lighting, dimmers, heater, security, ...). The communication is bidirectional and use only 2 wires.

Stand Alone

Manage the standalone installations thanks to the **MULTICUSTOM** timeline manager. It means that the controller can manage a whole installation without any touch panel, remote control or computer. The whole installation is fully automated and standalone. You just need to make a script, for 1h48 max, to load it into the controller and to start the sequence. A dry contact can start the sequence but a presence sensor, a light sensor, … can also do this.
Sequence example: a button is pressed, the light turns on, music starts, then the DVD is played etc, and everything is perfectly synchronized.
Applications: Museums, show, concerts etc ..

Rack version

Fully Flexible

If your main case is full, you can link up to 16 **MULTICUSTOM** by a **MBC** bus cable (or by Ethernet for the **MULTICUSTOM/IP**) to ensure a full coverage of your installations requirement. It can also be linked with **MULTICUSTOM**, **MINIMONO** and **CUSTO Series** controllers to fully respond to the installation requirement.
Identical or different standard modules can use any standards slots. **MULTICUSTOM** is flexible and low cost, you can buy just what you need.
Flexibility again for the fixation because **MULTICUSTOM** can be integrated into a 19" rack bay (delivery with rack fixation), on a DIN rail or on a US/UK standard electric cabinet.

Front and Rear Panels

With **MULTICUSTOM**, learning an infrared code becomes very easy thanks to its front panel sensor learner. Up to 255 codes can be learnt without any specific interface.
Visualisation of the infrared sended commands by front panel LED.
Rear panel receive the modular cards.

Two Models

To fully respond to all your expectations, **MULTICUSTOM** has been developed in 2 models:

MULTICUSTOM/IP:
Specifically developed for network use.
Communication by Ethernet on RJ45 connector 10 baseT and/or MBC bus.
This version is necessary for **TACTUM** remote control or even for a PC use.

MULTICUSTOM/485:
Communication by MBC bus on 3 pin phoenix screw type.
Use for VITY's **MBC** bus remote control: **VIMATY** & **PADMATY** series.
1 input MBC bus connector, 1 output MBC bus connector for chaining many **MULTICUSTOM**.

MULTICUSTOM modules

MULTICUSTOM/485 - MULTICUSTOM/IP:
Min box for 10 modules: 8 standards and 2 specifics.
Delivery with motherboard and 19" rack adaptation fixations.
Main box:
2x MBC bus communication port on 3 pins phoenix connectors
MBC bus protocol:
Speed: up to 115 200 bps
Lenght: 8 bits
Parity: none
stop bit: 1
1x RS232 for software download and update on DB9F (**MULTICUSTOM/485** only)
1x Infrared learner for code learning
1x RJ 45 for Ehernet (**MULTICUSTOM/IP** only)
12 VDC - 1.8A power supply on 2 pins phoenix connectors (delivery)
Dimensions: 260 x 88 (2U) x 60 mm.
Weight: 820 g.

MCM IRTX
Standard module of 6 Infrared outputs ports on 3.5 mm mini-jack female. Need infrared emitter **VIEC 3501F**.
Applications: DVD, Tuner, Hi-Fi, LCD, … Impedance 100 ohm

MCM RS
Standard module of two RS232 Rx/Tx/RTS-CTS output ports on DB9F. Applications: Matrix switcher, scalers, video-projector, ampli, … Serial speed: up to 115 200 bps on port 1 and 57 600 on port 2. Length: 5, 6, 7 & 8 bits. Parity: none, even, odd. Bit stop: 1, 1.5, 2.

MCM RL
Standard module of 8 relays on 2 pins Phoenix screw block terminal (0-24VDC – 1A). Need external power relay **KRT** and **KRAL** coil power supply for up to 30 **KRT**. Applications: Electric screen, shutter, motorized devices, …

MCM VCA
Standard module, 1x stereo or 2x mono, to control a balanced or unbalanced audio volume. Phoenix 3 pins connectors.
Input impedance 10kohms, output impedance 100 ohm - Max level 0dB - Gain -3 dB Bandwidth: 33Hz to 16 kHz.

MCM 0/10
Standard module of eight 0-10 volt dimming on 2 pins phoenix screw block terminal. Applications: lights, dimmers, … Impedance: 10 kohms - Levels: 256 - Current: 6mA for the 8 outputs.

MCM EIB
Specific module to control EIB/KNX electrical products by EIB/KNX bus protocol. Input and output are on two different connectors using phoenix 2 pins each. Use the same slot than **MCM PWL**.

MCM IRX
Specific module with 6 Infrared RC5 inputs on 3.5 mm jack female. Can receive all kinds of infrared receiver like **VIRx 3800** or IR keypad. Power supply protected on each input. Input number 6 can be used for MULTICUSTOM controller infrared learning through an external optional receiver.
Impedance 1 kOhm.

MCM JPI
Standard detection/feedback input module of 8 logical contact closure (GPI) inputs on 2 pins phoenix (max voltage: 24 VDC). Applications: information feedback, temperature, heating, alarm, ring, relays, ...

MCM A/I
Standard detection/feedback module of 8 analog inputs on 2 pins Phoenix plugs.
Level: 3, 6, 12 ,24 ,36 volts - Digital conversion 8 bits / 256 levels - Impedance 100 ohms.
Applications: Sensor giving a voltage variation, a level detection, an electric consumption, light intensity, temperature **...**

MCM PWL
Specific module to control X10 power line interface control on RJ12 (module delivery with X10 interface 230V, ref : XM 10E. This slot is shared with **MBC EIB** module).

Phoenix inputs and outputs connectors are detachable. Male plugs are free delivery with the MBC controller.

MAXIMONO presentation

MAXIMONO

MAXIMONO has been designed to request to the biggest installations and/or complex as conference room, auditorium, museum, … thanks to its 6 RS232 ports, it allows to control a maximum of devices with a serial port as videoprojectors, routing switchers, mixing table, etc.
MAXIMONO allows to manage every infrareds, relays, RS232, GPI & VCA interfaces.
The controller can be controlled by every remote control of the Media Bus Control range through **MBC bus** (**MAXIMONO/485**) or through Ethernet (**MAXIMONO/IP**).

PRODUCT REFERENCES
MAXIMONO/IP
MAXIMONO/485

STAND ALONE

Manage the standalone installations thanks to the **MAXIMONO** timeline manager. It means that the controller can manage a whole installation without any touch panel, remote control or computer. The whole installation is fully automated and standalone. You just need to make a script, for 1h48 max, to load it into the controller and to start the sequence. A dry contact can start the sequence but a presence sensor, a light sensor, … can also do this.
Sequence example: a button is pressed, the light turns on, music starts, then the DVD is played etc, and everything is perfectly synchronized.
Applications: Museums, show, concerts etc ..

VERY FLEXIBLE

Up to 16 **MAXIMONO** can be linked by a **MBC** bus cable (or by Ethernet for the **MAXIMONO/IP** model) to ensure a full coverage of the largest installations. It can also be linked with **MULTICUSTOM**, **XMonopro**, **MINIMONO** and **CUSTO Series** controllers to fully respond to the installation requirement.
MAXIMONO is delivery with 19" rack adaptor.

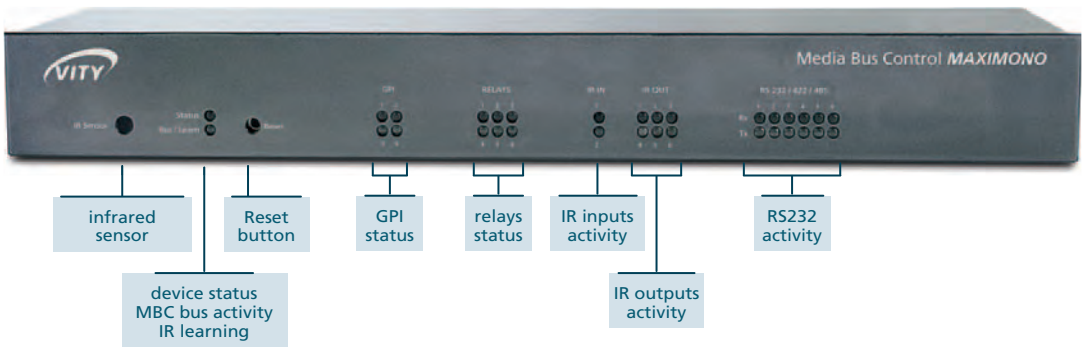
FRONT AND REAR PANELS

With **MAXIMONO**, learning an infrared code becomes very easy thanks to its front panel sensor learner. Up to 255 codes can be learnt without any specific interface.
Visualisation of the sended commands by front panel LED.
Rear panel includes every connections to the controlled interfaces.

TWO MODELS

To fully respond to all your expectations, MINIMONO has been developed in 2 models:
MAXIMONO/IP:
Communication by IP on RJ45 connector 10 baseT and/or MBC bus.
This version is necessary for **TACTUM** remote control or even for a PC use.
MAXIMONO/485:
Communication by MBC bus on 3 pin phoenix screw type.
Use for VITY's **MBC** bus remote control: **VIMATY** & **PADMATY** series.
1 input MBC bus connector, 1 output MBC bus connector for chaining many **MAXIMONO**.

front panel specifications



MAXIMONO specifications

Rack version

SPECIFICATIONS

Inputs	Digital feedback 4x on 2 pins Phoenix connectors GPI contact closure (max voltage 24Volts) Infrared 2x RC5 Infra-red on stereo 3.5 mm jack female (12V power supply protected). Can receive every kind of infrared receiver or keypad Impedance 1kohm
Ouputs	Relays 6x (relay max. 0-24VDC - 1A) on phoenix connectors Need **KRT** 110/230 V power external relay + **KRAL** power supply Infrared 6x Infra-red on mono 3.5mm female to use with **VIEC3501** IR emitter Impedance 100 ohms
In / Out	6x RS 232 on DB9F (Rx/Tx/RTS/CTS) up to 115 200 bps
VCA	2x VCA balanced mono and unbalanced audio volume control on 3 pins phoenix connectors Input: 10kohms - output: 100 ohms Max level: 0 dB - Gain -3 dB - Bandwidth: 33Hz ~ 16 kHz.
MBC bus	2x bus MBC on 3 pins Phoenix connectors MBC bus protocol: - Speed: up to 115 200 bps - Lenght: 8 bits - Parity: none - stop bit: 1
Ethernet	10/100 Base/T on RJ45 (MAXIMONO/IP)
Features	Built-in front panel Infrared learner

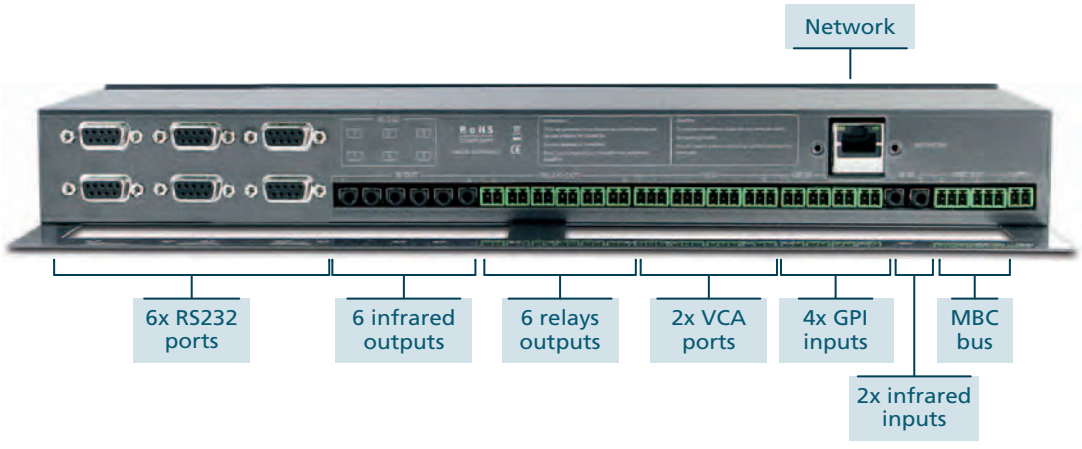
POWER SUPPLY & TEMPERATURE

Power supply	12 VDC on phoenix connectors. External 12 V/220 V power supply provided On 2 pins phoenix connector
Consumption	15W max
Temperature	from 0 to 50°C

DIMENSIONS & WEIGHT

Dimensions - W x H x D	370 x 157 x 1U (delivery 19" rack adaptator)
Weight	1.4 kg

Phoenix inputs and outputs connectors are detachable. Male plugs are delivery free with the MBC controller.



rear panel specifications

MINIMONO presentation

MINIMONO

With its affordable price, **MINIMONO** is specially designed for small installations, conference room, class room, houses, home theater, …
MINIMONO is the light version of the open architecture **MAXIMONO** controller and allows you to manage and control any kind of infrared, relays, RS232, X10 and GPI devices. It is controlled by all the VITY's remote control range using **MBC** wired bus (**MINIMONO/485**), **MINIMONO** can also be controlled by a standard PC using IP network (**MINIMONO/IP**).

Stand Alone

With its capabilities of 1h48min of timeline management it is the perfect controller for stand-alone installations and can be used without remote control and/or PC. It is the perfect controllers for stand-alone installations as Museums, spectacles, show, …
Can play a scenario. E.g: with a contact or a presence detection sensor you can turn on the lights & music, start video player, etc ... Sequence starts with a single event as contact closure, presence sensor, RC 5 codes, etc.

Product References
MINIMONO/IP
MINIMONO/485

Very Flexible

Up to 16 **MINIMONO** can be linked by a **MBC** bus cable (or by Ethernet for the **MINIMONO/IP** model) to ensure a full coverage of the largest installations. It can also be linked with **MULTI-CUSTOM**, **MAXIMONO** and **CUSTO Series** controllers to fully respond to the installation requirement.
MINIMONO is delivery with 19" rack adaptor.

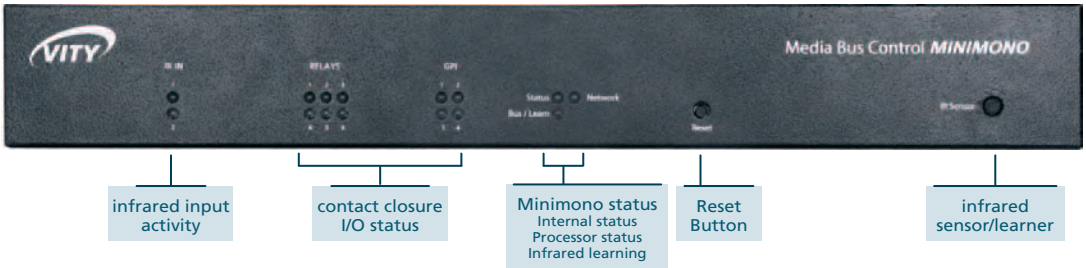
Front and Rear Panels

With **MINIMONO**, learning an infrared code becomes very easy thanks to its front panel sensor learner. Up to 255 codes can be learnt without any specific interface.
Visualisation of the sended commands by front panel LED.
Rear panel includes every connections to the controlled interfaces.

Two Models

To fully respond to all your expectations, **MINIMONO** has been developed in 2 models:
MINIMONO/IP:
Communication by Ethernet on RJ45 connector 10 baseT and/or **MBC** bus.
This version is necessary for **TACTUM** remote control or even for a PC use.
MINIMONO/485:
Communication by MBC bus on 3 pin phoenix screw type.
Use for VITY's **MBC** bus remote control: **VIMATY** & **PADMATY** series.
1 input MBC bus connector, 1 output MBC bus connector for chaining many **MINIMONO**.

front panel specifications

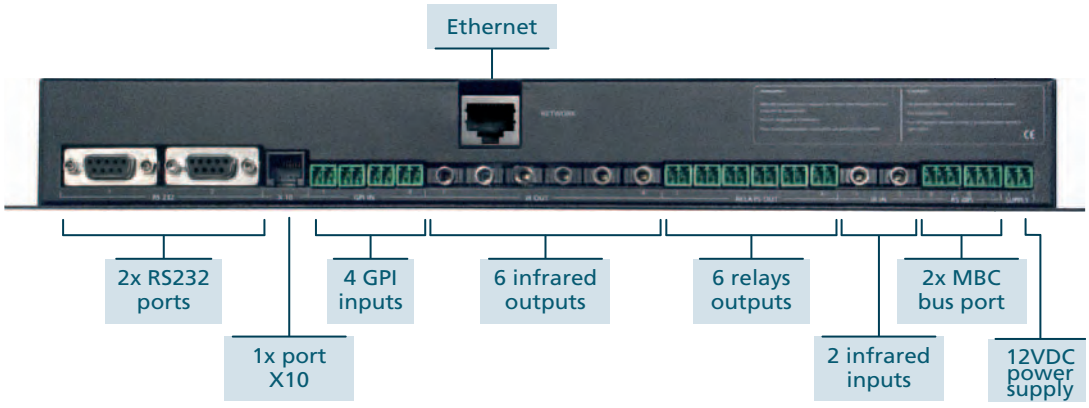


MINIMONO specifications

Rack version

SPECIFICATIONS	
Inputs	Digital feedback 4x on 2 pins Phoenix connectors GPI contact closure (max voltage 24Volts) Infrared 2x RC5 Infra-red on stereo 3.5 mm jack female (12V power supply protected). Can receive every kind of infrared receiver or keypad Impedance 1kohm
Ouputs	Relays 6x (relay max. 0-24VDC - 1A) on phoenix connectors Need **KRT** 110/230 V power external relay + **KRAL** power supply Infrared 6x Infra-red on mono 3.5mm female to use with **VIEC3501A** IR emitter Impedance 100 ohms
In / Out	2x RS 232 on DB9F (Rx/Tx/RTS/CTS) up to 115 200 bps 1x power line X10 on RJ11 - 6 pin
MBC bus	2x MBC bus on 3 pins Phoenix connectors MBC bus protocol: - Speed: up to 115 200 bps - Lenght: 8 bits - Parity: none - stop bit: 1
Ethernet	10/100 Base/T on RJ45 (MINIMONO/IP)
Features	Built-in front panel Infrared learner
POWER SUPPLY & TEMPERATURE	
Power supply	12 VDC on phoenix connectors. External 12 V/220 V power supply provided On 2 pins phoenix connector
Consumption	15W max
Temperature	from 0 to 50°C
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	326 x 120x 1U (delivery 19" rack adaptator)
Weight	970 g

Phoenix inputs and outputs connectors are detachable. Male plugs are delivery free with the MBC controller.



rear panel specifications

CUSTOLAN RS

CUSTOLAN RS

CUSTOLAN RS is a small controllers for specific use. It can drive **2 RS232/422/485 devices by Ethernet network or MBC bus**. It can be controlled by all the VITY's remote control range or by a standard PC.
CUSTOLAN RS firmware's update can be directly done by Ethernet.

VERY FLEXIBLE

CUSTO modules are ideal for small installations, for the remote installations in several rooms. Can be installed next to controlled devices or in complement of an existing MBC installation.
Up to 16 **CUSTOLAN modules** can be linked by a **MBC** bus cable to insure a full coverage of a multi-point installation. The module can be linked with **MULTICUSTOM, MAXIMONO** and **MINIMONO** controllers to fully respond to the installation requirement.
CUSTOLAN RS is a desktop module it can be fixed on DIN rail (**CUSTO/DIN** optional).

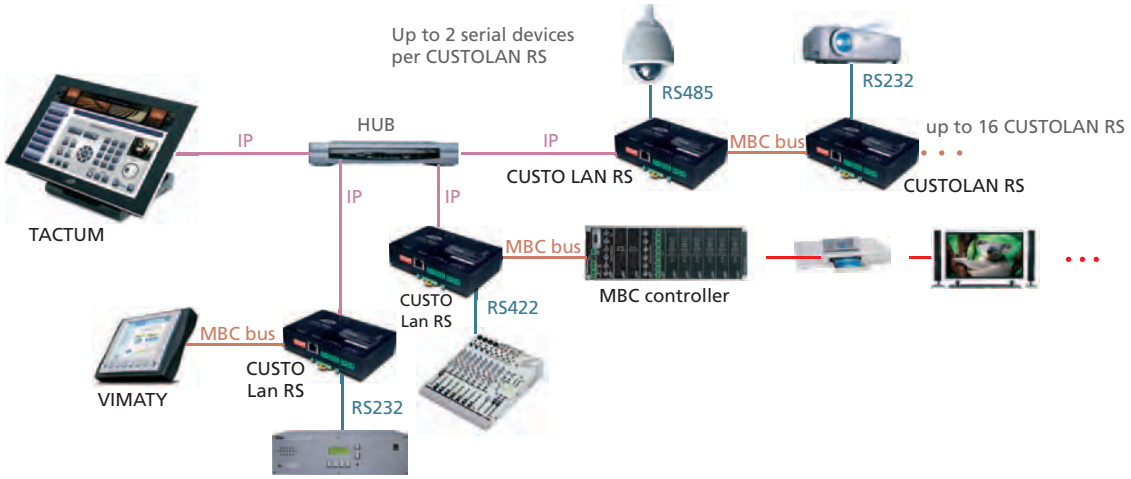
PoE version on request

PRODUCT REFERENCES
CUSTOLAN RS

upper view

SPECIFICATIONS

Serial port	Number of port: 2 Mode RS232, 422, 485 Com port 1: from 300 to 57 600 bps Com port 2: from 300 to 115 200 bps Length: 5, 6, 7, 8 bits Parity: none - pair - impair Stop bit: 1, 1.5, 2 Connector: DB9F RS232 mode (asymetrical) RTS - CTS - RxD - TxD RS422 mode (symetrical) Rx^+ Rx^- Tx^+ Tx^- - Full Duplex RS485 mode (symetrical) RxD^+/TxD^+ - RxD^-/TxD^- Half Duplex
MBC bus	2x MBC bus port - 3 pins on phoenix connectors Communication speed : 115 200 bps Length: 8 bits Parity: none Stop bit: 1 Address sets by dipswitches
Ethernet	Communication speed : 10 base-T - RJ 45 Protocol: UDP Port: 12000 and 10022 (by default)
Consumption	12VDC - 50 mA
Power supply by PoE	**IEEE802.3af** - Mode A and B - 600mA
Power supply by external unit	Input: 12VDC - 4A - 2 pins phoenix Output: 12VDC – 500 mA to 4A max - 2 pins phoenix
Case	Metal - Black
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	126 x 85 x 31 mm
Weight	420 g
OPTIONS	
	DIN rai l fixation, ref: **CUSTO/DIN** External PoE injecter power unit, ref: **SP 390** 16 ports hub switch with 8 PoE ports, ref: **SP 616P**



CUSTOLAN RL

CUSTOLAN RL

CUSTOLAN RL is a small controllers for specific use. It can drive **8 relays by Ethernet network or MBC bus**. It can be controlled by all the VITY's remote control range or by a standard PC.
CUSTOLAN RL firmware's update can be directly done by Ethernet.

Very Flexible

CUSTO modules are ideal for small installations, for the remote installations in several rooms. .
Can be installed next to controlled devices or in complement of an existing MBC installation.
Up to 16 **CUSTOLAN modules** can be linked by a **MBC** bus cable to insure a full coverage of a multi-point installation. The module can be linked with **MULTICUSTOM, MAXIMONO** and **MINIMONO** controllers to fully respond to the installation requirement.
CUSTOLAN RL is a desktop module it can be fixed on DIN rail (**CUSTO/DIN** optional).

PoE version on request

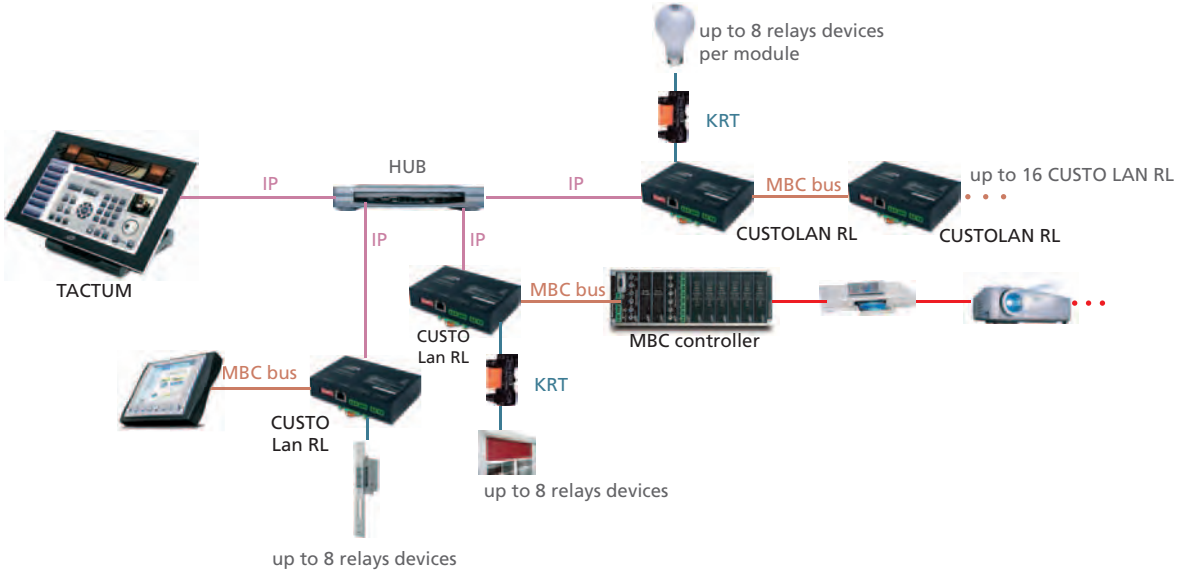
Product References

CUSTOLAN RL

upper view

SPECIFICATIONS

Relays	number of relays: 8 0 to 36V - 1A. Need **KRT** external power relay 110/230V Connector: Detachable phoenix 2 pins
MBC bus	2x MBC bus port - 3 pins on phoenix connectors Communication speed : 115 200 bps Length: 8 bits Parity: none Stop bit: 1 Address sets by dipswitches
Ethernet	Communication speed : 10 base-T - RJ45 Protocol: UDP Port: 12000 (by default)
Consumption	12VDC - 150 mA
Power supply by PoE	**IEEE802.3af** - Mode A and B - 600 mA
Power supply by external unit	Input: 12VDC – 4A - 2 pins phoenix Output: 12VDC – 350 mA to 4A max - 2 pins phoenix
Case	Metal - Black
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	126 x 85 x 31 mm
Weight	420 g
OPTIONS	
	DIN rai l fixation, ref: **CUSTO/DIN** External PoE injecter power unit, ref: **SP 390** 16 ports hub switch with 8 PoE ports, ref: **SP 616P** External 110/230V power relay, ref: **KRT** Power supply for power relays, ref: **KRAL**



CUSTOLAN EIB

CUSTOLAN EIB

CUSTOLAN EIB is a small controllers for specific use. It can drive by Ethernet network or **MBC** bus **EIB-KNX or X10 devices** and used to control electrical command devices. It can be controlled by all the VITY's remote control range or by a standard PC.
CUSTOLAN EIB firmware's update can be directly done by Ethernet.

EIB KNX

EIB-KNX is a generally used 2 wires bus into electric closet to simplify the communication between the different electric commands. Thanks to **CUSTOLAN EIB** command module you can control every electrical system of a house (lighting, dimmers, heater, security, ...). So you can send and receive commands to all devices with KNX compatibility (Hager, ABB, Siemens, schneider electric, Berker, Jung, Siedle, Merten ...).

X10

X10 is a communication protocole on power line to control X10 interfaces (lamps, electrical plug, ...). **XM10E** is an optional interface to link **CUSTOLAN EIB** control module to 230V electrical devices.

PRODUCT REFERENCES
CUSTOLAN EIB

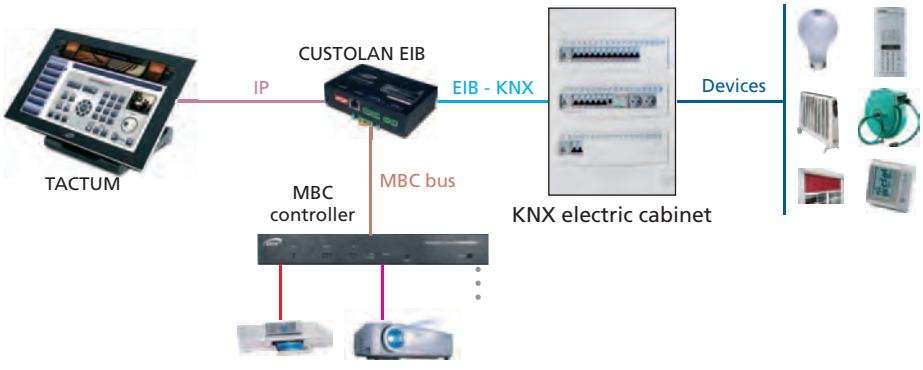
VERY FLEXIBLE

CUSTOLAN EIB can be installed next to a KNX bus line to supervise and control an electrical installation.
Up to 16 **CUSTOLAN modules** can be linked by a **MBC bus** cable to respond as precisely as possible to the installation needs. It can also be linked with **MULTICUSTOM**, **MAXIMONO** and **MINIMONO** controllers to fully respond to the installation requirement.
CUSTOLAN EIB is a desktop module it can be fixed on DIN rail (**CUSTO/DIN** optional).

upper view

SPECIFICATIONS

KNX/EIB	on 2 pins phoenix connector two plugs: In-Out.
X10	1x on RJ12
MBC bus	2x MBC bus port - 3 pins on phoenix connectors Communication speed : 115 200 bps Length: 8 bits Parity: none Stop bit: 1 Address sets by dipswitches
Ethernet	Communication speed : 10 base-T - RJ45 Protocol: UDP Port: 12000 (by default) & 10022
Consumption	12VDC - 50 mA
Power supply by PoE	**IEEE802.3af** - Mode A and B - 600 mA
Power supply by external unit	Input: 12VDC – 500 mA to 4A - 2 pins phoenix Output: 12VDC – 4A max - 2 pins phoenix
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	126 x 85 x 31 mm
Weight	420 g
OPTIONS	
	DIN rai l fixation, ref: **CUSTO/DIN** Interface 230/110V to X10, ref: **XM 10E**



CUSTO RLRS

CUSTO RLRS

CUSTO RLRS is a small and economical controller. It can drive **4 relays N/O N/C and one RS232 by infrared code or RS485 MBC bus**. The module can be controlled by any kind of infrared remote control or by all the VITY's remote control range.
CUSTO RLRS firmware's update can be directly done by RS232.

Very Flexible

CUSTO modules are ideal for small installations, for the remote installations in several rooms or in complement of an existing **MBC** installation.
Up to 16 **CUSTO modules** can be linked by a MBC bus cable to respond as precisely as possible to the installation needs. It can also be linked with **MULTICUSTOM**, **MAXIMONO** and **MINIMONO** controllers to fully respond to the installation requirement.

Thanks to its front panel sensor **CUSTO RLRS** can be drived by infrared wired keypad (**PADMATY**, **VIMATY**) or by an infrared wireless standard remote control. Two external infrared inputs plugs allows to connect two external wired infrared receiver (**VIR3800**) allowing to place **CUSTO RLRS** as closer as possible from the controlled devices and the receiver in a more adapted place for infrared reception.

A front panel allows codes learning. Codes can also be downloaded into the module from a PC through its RS232 port.
Received infrared codes from an external remote control are interpreted to execute specific actions defined with **CONFIGIR** software.

CUSTO modules are equipped with a 12VDC output to supply a second device.

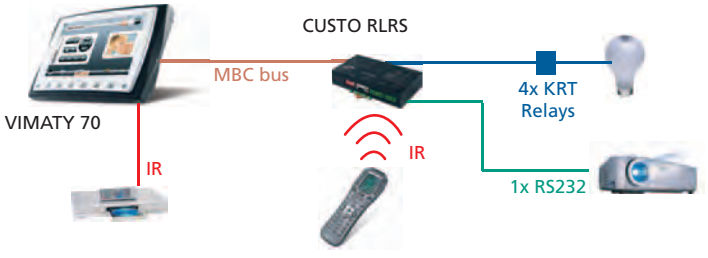
CUSTO RLRS is a desktop module it can be fixed on DIN rail (**CUSTO/DIN** optional).

Product References

CUSTO RLRS

SPECIFICATIONS

Relays	number of relays: 4 0 to 36V - 1A. Need a 110/230V power relay, ref **KRT** Connector: Detachable phoenix block
RS232	1x DB9F RS 232 mode: Rx - Tx Length: 7 or 8 bits Parity: 1 Stop bit: 1 or 2
Infrared	2x wired port on stereo mini jack 3.5mm 12V - 50 mA available on each plug 1x external infrared receiver The 3 infrared ports are linked in parallel
MBC bus	Communication speed : 115 200 bps Length: 8 bits Parity: none Stop bit: 1 Connector: detachable phoenix block Address sets by dipswitches
Consumption	12VDC - 500 mA
Power supply by external unit	Input: 12VDC – 4A - 2 pins phoenix Output: 12VDC – 4A max - 2 pins phoenix
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	155 x 72 x 31 mm
Weight	420 g
OPTIONS	
	DIN rai l fixation, ref: **CUSTO/DIN** External 110/230V power relay, ref: **KRT** Power supply for power relays, ref: **KRAL**



CUSTOLAN MIDI

CUSTOLAN MIDI

CUSTOLAN MIDI is a control gateway for specific use. Controlled by IP or by **MBC** bus, It can control MIDI devices. Ideal for MIDI devices, mixing table, synthesizers, ... control.

CUSTOLAN MIDI firmware's update can be directly done by LAN.

Power Supply (option)

CUSTOLAN MIDI can be powered by a standard 12VDC external power supply or by PoE. PoE (IEEE802.3af) alows to power a **CUSTOLAN MIDI** without external power supply. The module is powered by the CAT5 cable through PoE (IEEE802.3af) injector or hub.

CUSTO modules can delivery 12VDC power supply output - 500 mA (PoE) - 4A (with external power supply) to supply an other device.

Product References
CUSTOLAN MIDO

Very Flexible

The module can be added in an existing installation and linked to a **MBC** controller to fit to the installation needs. It can be controlled by **TACTUM**, **VIMATY** or by a PC.

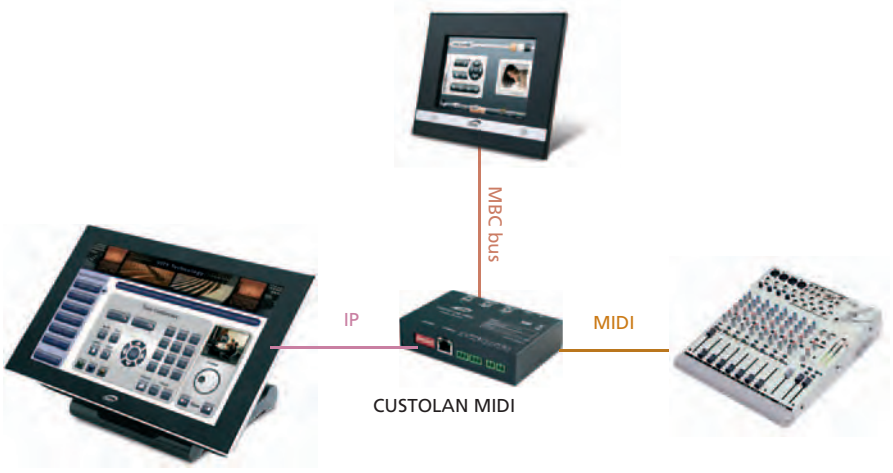
CUSTOLAN MIDI module is desktop but it can also be fixed on a DIN rail (option).

PoE version on request

upper view

SPECIFICATIONS

MBC bus	Communication speed : 115 200 bps Length: 8 bits Parity: none Stop bit: 1 Address sets by dipswitches
LAN	1x RJ45
MIDI	1x input on DIN 5 pins plugs 1x output on DIN 5 pins plugs 1x thru on DIN 5 pins plugs
Led	indicates data transmission
MIDI speed	31 250 baud
External power supply (delivery)	input: 12VDC
DIMENSIONS & WEIGHT	
Dimensions	126 x 84 x 32 mm
Weight	410g



CUSTOLAN DALI

CUSTOLAN DALI

CUSTOLAN DALI is a smal l controllers for specific use. Controlled by IP or by **MBC** bus, It can drive **DALI devices by Ethernet network or MBC bus**. It can be controlled by all the VITY's remote control range or by a standard PC.

CUSTOLAN DALI firmware's update can be directly done by Ethernet.

Power Supply (option)

CUSTOLAN DALI can be powered by a standard 12VDC external power supply or by PoE. PoE (IEEE802.3af) alows to power a **CUSTOLAN DALI** without external power supply. The module is powered by the CAT5 cable through PoE (IEEE802.3af) injector or hub.

CUSTO modules can delivery 12VDC power supply output to supply an other device.

Product References

CUSTO LAN DALI

Very Flexible

CUSTOLAN is ideal to vontrol DALI devices as : lighting, led, fluo, ...
The module can be linked to a **MULTICUSTOM**, **MAXIMONO** or **MINIMONO** controller to suits perfectly to the installation needs.

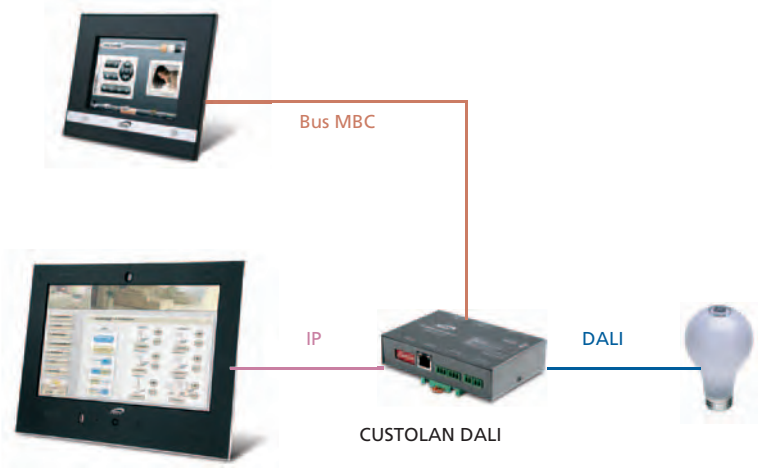
CUSTOLAN DALI module is desktop but it can also be fixed on a DIN rail (option).

PoE version on request

Vue arrière

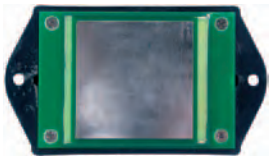
SPECIFICATIONS

MBC bus	Communication speed : 115 200 bps Length: 8 bits Parity: none Stop bit: 1 Address sets by dipswitches
LAN	1x RJ45
DALI	2x I/O on 2 pins detachable phoenix connector
DIMENSIONS & WEIGHT	
Dimensions	126 x 85 x 30 mm
Weight	400 g



CUSTOLAN DALI

iTuch



What is iTuch

iTuch is a revolutionnary sensitive touch allowing to launch an action through materials like wood, marble, stone, plastic, glasses and even double glazing. It works over materials from 1 to 40 mm. The finger or the hand faced to the sensor activates a command sended to the **MBC** controller and play an action or a macro.
iTuchRL is powered in 12VDC and has a built-in relay to send a "toggle" or a "pulse" GPI contact closure directly to a device or to a **MBC** controller GPI input. Several GPI inputs connected to the **MBC** controller allows to manage several **iTuchRL**.
Up to 16 **iTuchRL** can be use on the same installation.
iTuch can be fixed to its support by screw, velcro©, sticker, glue, ...

Application Example

Architects, interiors decorators and users will be delighted by this command proccess. It allows to hide the control behind a familiar and esthetic object.
Thanks to its through wall functioning capacity, the system can be integrated with the major part of the elements used at home or for a construction.
Examples of use: Lighting, HVAC, audiovisual, sécurity, ... can be diplsayed on a stone, marble wall or wood, glass table by a screen print or an object representing the command to made.
iTuch can be fixed under a chair to detect a person presence. Also usable through a store showcase.

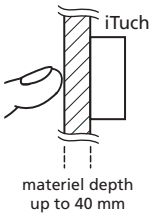
Specific Features

Adjustable sensitivity: **iTuch** sensitivity can be adjusted according to the support thickness.
Built-in relay: Each **iTuchRL** have a built-in relay to directly start a function.
Power supply: **iTuchRL** have a 12V output to supply each other up to 16 units.
4 relay behaviours: toggle, pulse, push 10 and push 60

Toggle: 1 touch, relay closed - 1 touch, relay opened (regardless of the touch time)
Pulse: 1 touch, relay closed for 95ms - impulse (regardless of the touch time)
Psuh 10: 1 touch, relay closed as long as the contact keeps (for 10" max.)
Psuh 60: 1 touch, relay closed as long as the contact keeps (for 60" max.)

Product References

iTuchRL (wired version)

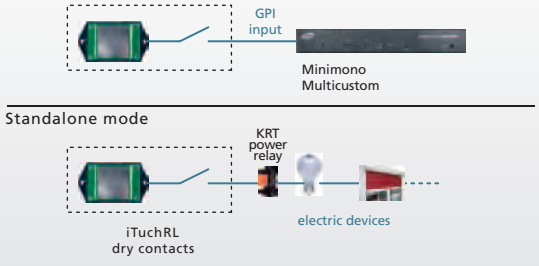


SPECIFICATIONS

Touch	Capacitive
Sensitive surface	50 x 50 mm
Sensibility	Two rolling switch settings (High/Low - adjustable)
Address	16 with rolling switch
On/Off	Micro switch
On touch action display	by LED
Number max of iTuch	Up to 16 touch connected to one interface
1x Relay	60V - 1A 2 pins detachable phoenix connector External 120/230V power relay, ref **KRT** Power supply for KRT coil: **KRAL**
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	89 x 63.5 x 29 mm
Weight	80 g
POWER SUPPLY	
Power supply	12V - 30mA max
Temperature	from 0°C to +48°C
YVV10P1-12MP	External power unit for up to 16 **iTuchRS** 12V - 1A - Delivery separatly

delivery without power supply

iTuch and media bus control



VITYLAN

Web Server

VITYLAN is a gateway for **VIMATY** touch panels and **PADMATY** keypad.
It is a gateway between **MBC** IP controllers and a distant **VIMATY** touch panel using IP.

Other application: a **TACTUM** IP touch panel can drive a 485 **MBC** controller using VITYLAN gateway

VITYLAN firmware's is updated by Ethernet.

Installator's Tool

VITYLAN is ***absolutely required*** for infrared codes learning with **PADMATY** keypad.

VITYLAN allows infrared codes learning into the 485 **MBC** controllers via IRDUMP software.

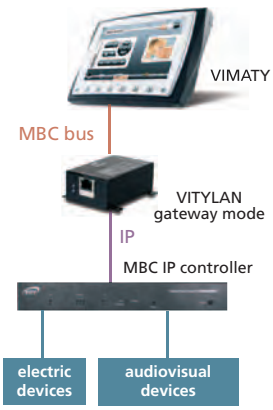
Power Over Ethernet

VITYLAN can be powered through the Ethernet CAT5 cable thanks to its PoE capabilities (Power over Ethernet – IEEE 802.3af – capacities on free pairs only - Mode B only). A 12VDC output is available to powered a **MINIMONO** or a **VIMATY** (550mA).

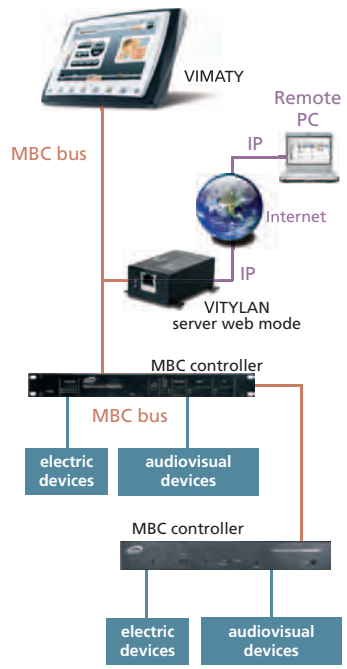
VITYLAN can also be powered by a standard 12VDC external power supply.

Product References

VITYLAN



GATEWAY MODE



WEB SERVER MODE

SPECIFICATIONS

MBC bus	2x MBC bus port - 3 pins on phoenix connectors Communication speed : 115 200 bps Length: 8 bits Parity: none Stop bit: 1
Ethernet/Internet	Communication speed : 10/100 base-T - RJ45 Protocol: UDP Port: 12000
Consumption	12VDC - 50 mA
Power supply by PoE	**IEEE802.3af** - Mode B - 600 mA
Power supply by external unit	Input: 12VDC – 4A - 2 pins phoenix Output: 12VDC – 550 mA to 4A - 2 pins phoenix

DIMENSIONS & WEIGHT	
Dimensions - W x H x D	87.5 x 32 x 54 mm
Weight	230 g

OPTIONS	
	External PoE power unit, ref: **SP 390** Din rail fixation

TOOL : infrared codes learning to PADAMTY with IRDUMP through VITYLAN.

Scalers Series

MDL 200
For sources selection from various format to an unique high resolution format.
Inputs: 1x CVBS, 1x svideo, 2x VGA and unbalanced audio
Output: 1x VGA (up to SXGA), YPbPr, 480p, 576p, 720p, 1080i and balanced / unbalanced audio
Control: RS232

TZL 300
Inputs: 3x CVBS, 3x svideo, 4x VGA, 1x YPbPr et unbalanced audio
Outputs: 2x VGA (up to SXGA), YPbPr, 480p, 576p, 720p, 1080i and balanced / unbalanced audio
Control: RS232 - RS485 - infrared

DVI PRO 100
Seamless scaler - video PIP on PC - Upscaling and downscaling pixel per pixel
Inputs: 1x CVBS, 1x svideo, 2x VGA, 1x YPbPr (or CVBS) and unbalanced audio
Outputs: 1x DVI, 1x VGA (up to SXGA), 480p, 576p, 720p, 1080i and balanced / unbalanced audio
COntrol: RS232 - ethernet - infrared

TZM series VGA Routing Switcher

Allows to distributes signals from any VGA sources (computer, player, ...) to any VGA display (videoprojector, LCD, ...).
Inputs and ouputs on HD-15.
TZM 443 : 4 inputs version - 4 ouputs - unbalanced audio on RCA - Bandwidth: 400MHz.
TZM 883VA : 8 inputs version - 8 outputs - balanced audio on terminal block- Bandwidth: 500MHz.
TZM 883V : TZM 883VA without audio, 1U rack.

TZW serie VGA Switchers

Allows to selects any VGA signal from a PC to display it on a LCD monitor or videoprojector.
Control RS-232 and dry contacts.
VGA inputs and outputs on HD-15.
TZW 203 : 2 inputs version - 1 output (audio input on RCA and audio output on terminal block).
TZW 403+ : 4 inputs version - 1 output (audio inputs on RCA and audio outpouts on RCA + terminal block).
TZW 803+ : 2 inputs version - 8 outputs (audio inputs on RCA and audio outputs on RCA + terminal block).

INBOX Series VGA Distributors

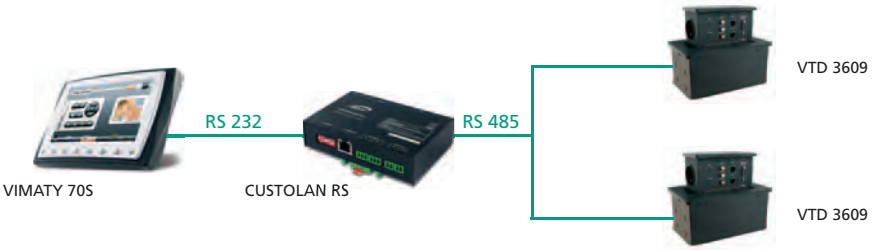
Allows to distributes a VGA signal on several monitors or videoprojectors. The amplified outpouts can transmit the signal up to 30m on a VGA cable. Inputs and ouputs on HD-15
INBOX 2+ : 2 outputs version - Bandwidth 300MHz.
INBOX 4+ : 4 outputs version - Bandwidth 400MHz.
INBOX 8+ : 8 outputs version - Bandwidth 400MHz.

Connecting Box Series

VTB 6079U
Desktop slot in box
Allows to connect 2x USB, 2x RJ45, 1x VGA with audio and its power supply.
Dry contacts control.
Foldable cover.

VTC 7529
Desktop slot in box or desktop fixation.
Allows to connect 1x RJ45, 1x VGA with audio and its power supply.
Dry contacts control.
Foldable cover.

VTD 3609
Motorized slot in box (pop-up)
Allows to connect 2x RJ45, 1x VGA with audio, 1x video with audio et 2x power supply.
Dry contacts control.
Box open / close controlled by RS485 or push button.



DVI PRO 1000

Scaler Routing Switcher

DVI PRO 1000 is a high end scaler/routing switcher with 8 video universal video inputs with associated audio and 2 high resolution independent outputs. Inputs are HDTV compatible and can receive any kind of signal (CVBS, svideo, component or RGBHV). Input 7 has a DVI input and input 8 a HDMI input.

Both outputs are fully independent and allow to display two different sources to two differents destinations. Each outputs had a VGA and a DVI port.

Advanced technology: Through **Faroudja** and DCDI technologies, it is possible to set the image and effects quality.

PiP and overlay function: DVI PRO 1000 includes the PiP function (Picture in Picture) between two differents sources. Both images can be separately scaled, pixel per pixel, verticaly and horizontaly moved on the main monitor. An image and text overlay function is also available to display a title on a video.

With its numerous functions, advanced technology, DVI PRO 1000 is positioning as a very efficient tool for a/v management in conference, crisis, meeting rooms, ...

Product Reference

DVI PRO 1000

SPECIFICATIONS

VIDEO

Inputs	Input n°1 et 2: 1 HD-15 with BNC/HD-15 adaptor for CVBS,svideo or YUV. Inputs n°3,4,5 and 6: 1xHD-15 for VGA and 3 BNC for CVBS, YC or YUV Inputs n°7: 1xDVI and 3 BNC for CVBS, YC or YUV Input n°8: 1xHDMI and 3 BNC for CVBS, YC or YUV
Computer/VGA	SVGA, XGA, WXGA, SXGA, SXGA+, WSXGA, WSXGA+, UXGA
RVBHV	720p, 1080i, 1080p
Input formats	PAL, SECAM, NTSC
Outputs	2 independents with VGA (or YUV) port and DVI each
Output type	Twin DVI-D on DVI 29 VGA and YPbPr on HD15
Synchro	TTL
Verticale synchro	60Hz
PiP	Between two sources Upscale and Downscale pixel x pixel Pan on every images on x and y
Functions	Image adjustement Overlay DNR Motion control

AUDIO

Inputs	8 balanced inputs on phoenix terminal block
Input coupling	AC
Input Impedance	56 kOhms
Input level	+9dBm max
SPDIF output	fo HDMI output only
VCA on input	from mute to 100% (33 levels)
Frequency response	from -1dB to 40 Hz at 20 kHz
Crosstalk	60 dB at 5kHz
Distorsion	< 0.03% at 0dBm with 10kOhm load
Noise	-75dBm w/o load
Outputs	2 analog audio on terminal block + 1 SPDIF digital (for HDMI)

POWER SUPPLY

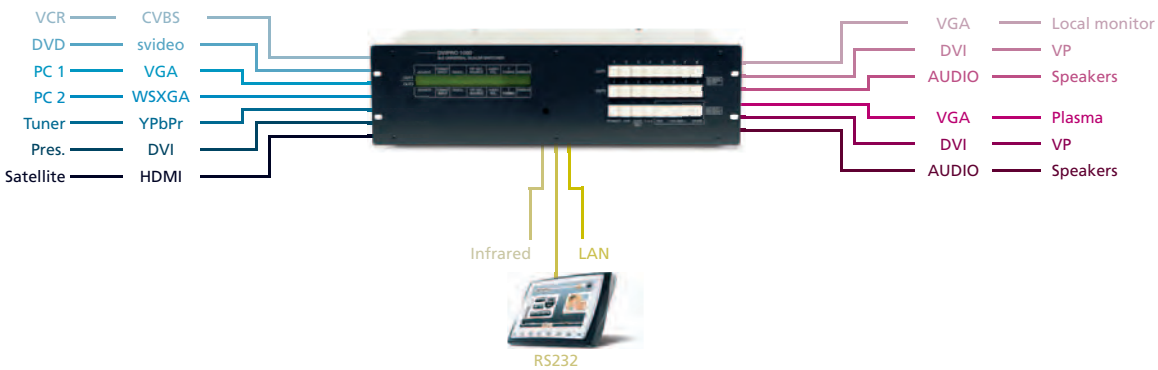
Power supply	90-240VAC - 50/60Hz
Consumption	25VA

OTHER

Control	Infrared, RS232, LAN

DIMENSIONS & WEIGHT

Dimensions	19" - 3U - 210 mm
Weight	4.5 kg



MAP 1200 multizones amplifier

MAP 1200

The MAP 1200 home audio system is a functional, easy-to-install, highly compatible, expandable, and used – friendly audio distribution system.
It distributges 6 audio stereo sources to 6 zones (expandable to 18) and each zone has 50W. Every zone can control the amplifier though a keypad and/or by VITY's remote control. Remote controls can control audio srouces using the 6 infrared outputs of the MAP 1200.

MAP-RC1
For remote control use in other rooms additional MAP-RC1 remotes allow control of the McLMAP-1200 whole house audio system.

MAP-KP1
The MAP-KP1 keypad controllers contain the selected audio sources. Adjusts volume levels, music sources, treble and bass.
IR passthrough to drive source functions CD, Tuner ...

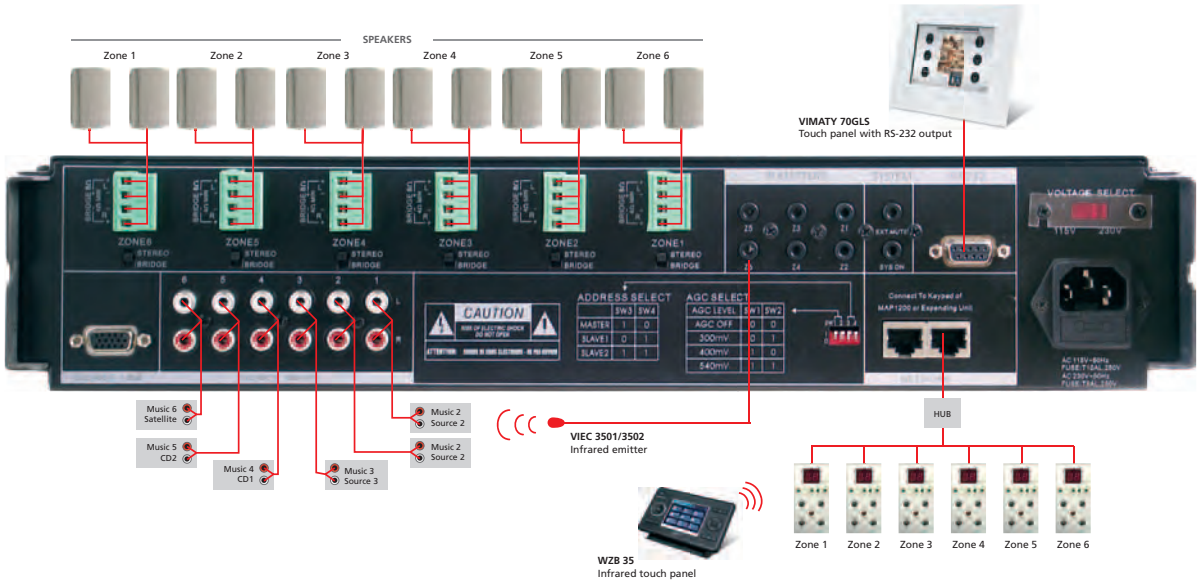
MAP 1200 Specifications

- 6 Stereo Audio Source Inputs
- Output Power:
  - 25W X2 8 Ohms X 6 Zone (12 Channels)
  - 50W X2 4 Ohms
  - 50 W 8 Ohms mono output
- High efficiency more than 85 % (Class D) amplification
- S/N : > 85dB A WTD
- THD : < 0.1%
- Frequency response : 20hz -20 Khz
- Input Impedance : > 47 K Ohm
- Input Sensibility : 250mv
- AGC (Auto gain control) to have same level output
- Protection Function:
  - Overload Protection
  - Short Circuit Protection
  - Over Temperature Protection
- 6x independent IR emitter output for each 6 zones on Jack 3.5 mm
- External Mute Jack and Trigger 12 V DC (on rear panel) on Jack 3.5 mm
- Phone Call Audio mute (Contact closure)
- The control of Keypad: Volume /treble /Bass/Source
- RJ45 Connectors: For keypads Length 200 meter Maxi
- 6 Leds for 6 Zones power On and Standby
- RS-232 port allows 2- way communication with VITY automation remote
- Detachable Phoenix Connectors : For power audio signal outputs
- Maximum Expand System : 3 X MAP 1200 (up to 18 Zones)
- Power Supply: AC 230 V 50HZ / AC 115V 60 Hz , Can be switched .
- Dimension : D 416 X H 88 X W 430 mm
- Weight : 11,25 kg

MAP 1200 is delivery with:
- 6 pcs MAP KP1 Wall keypads included front bezel

Optional:
- Wireless IR remote control MAP RC1
- KPC WPC Bezel Keypads available: Black – Ivory – White
- Infrared Emitter VIEC 3501A

Applications:
Home Entertainment - Hotel - Large restaurant - Home Theatre - Multi Conference Room - Mall City Hall - Store - Airport - Railway station - Church - Sport bar - Night Club - Hospital -University



VIEC 3501F Infrared Emitter

Infrared emitter with signal led, fix it on the infrared receiver of the driven devices.
Cable length: 3m with mini-jack 3.5mm M. Delivery with adhesive for fixation.
For **MAXIMONO**, **MULTICUSTOM**, **MINIMONO**, **VIMATY**, **PADMATY**, **ZIGACCESS/KI** & **VRPT104-1**.

VIEC 3502F Double Infrared Emitter

Double infrared emitter with signal led, fix it on the infrared receiver of the driven devices.
Cable length: 3m with mini-jack 3.5mm M. Delivery with adhesive for fixation.
For **MAXIMONO**, **MULTICUSTOM**, **MINIMONO** & **VRPT104-1**.

VPRT 104-1 Infrared Emitter Connecting Block

4 outputs for infrared emitter on mini-jack 3.5mm
1 input detachable screw block
Allows to distribute infrared from a VIMATY to 4 devices.
Power supply : 12VDC on 2.1mm jack - Optional power supply: **PWS1502**.

VIRP 3800 Inwall Infrared Receiver

Inwall wired infrared receiver - White delivery with bezel.
Can required the optional inwall box **SLB1**.
Bandwidth: 34~40 kHz.
Reception range 15m in standard (4.5 m in direct light).
Led for infrared code reception confirmaton.
Power supply connector et infrared on screw terminal block - Power supply 12VDC.
Dimensions: H : 115 x W : 70 x D : 20 mm

SLB 1
H : 93 x W : 56 x D : 71 mm

VIRC 3800MBC Mini Infrared Receiver

Wired infrared receiver, 4 wires, black, can be hide.
Cable length: 2m with mini-jack 3.5mm 3 pins (power supply 12VDC and IR signal).
Bandewidth: 34~40 kHz.
Standard reception range 15m (4.5 m in direct light) - Reception angle ± 55°.
Infrared recpetion code confirmation by led.
Delivery with adhesive for fixation
Dimensions : 45 x 10 x 12 mm

VIRT 3800 (03) Bull's Eye Infrared Receiver

Wired infrared receiver, 3 wires, discreet, easy to hide in a furniture.
Cable length: 2m - Bandewidth: 34~40 kHz.
Standard reception range 24m (4.5 m in direct light) - Reception angle ± 45°.
Infrared reception code confirmation by led.
Power supply connector et infrared on screw terminal block - Power supply 12VDC.
Dimensions : 48.5 x 12.7 mm
Power supply: 12VDC

VIRB 3800 (01) Desktop Infrared Receiver

4 wires Infrared receiver, color black.
Bandwidth: 30-100kHz.
Reception range: 15m.
Reception angle: +/- 45° from the axe
LED for infrared status.
Cable lenght : 2M with 3.5mm jack.
Can be connected to the connecting block VPRT IR series.
Dimensions: 105 x 29 x 56 mm.

RS232-DMX512

RS232-DMX512 is a control gateway for specific use. It can control any DMX 512 devices by RS 232. The module can be controlled by MBC controllers RS232 ports or by any device equipped with a RS232 port.
The module can be linked to a controller as **MULTICUSTOM**, **MAXIMONO**, **MINIMONO**, **CUSTO** modules or a **VIMATY** touch panel to perfectly suits to the installation needs.

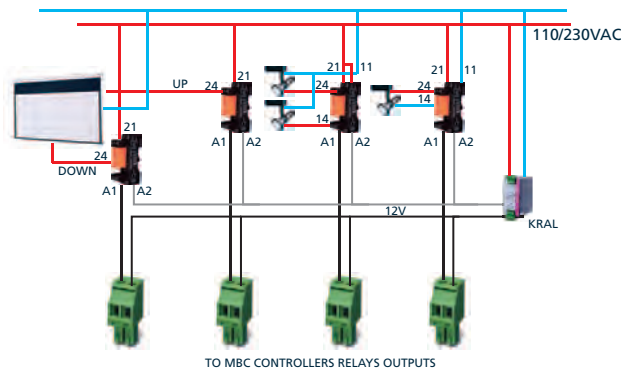
EVI D70P Camera

Can be usef cell mount or desktop. Ideal for conference room.
¼ SONY Super CCD - PAL: 752 x 582
Lens: 18x optical zoom, 12x digital zoom
Minimum illumination: 1lux
Shutter speed: 1/1 - 1/10 000
Horizontal rotation: 170° (max speed 100° /s)
Vertical speed: 120° (max speed 190° /s)
Video output: composite video and s-video
Control by RS232/422 and infrared
Dimensions: 132 x 144 x 144 mm
Weight: 0.86 kg
Power supply: 12VDC (delivery)
For other motorized model, consult us.

KRT

Power relay for low voltage relays outputs from a
MAXIMONO, **MULTICUSTOM**, **MINIMONO**, **CUSTOLAN RL**
and **CUSTO RLRS**
2RT 8A/220. Coil 12VDC.
Fixing on a DIN rail

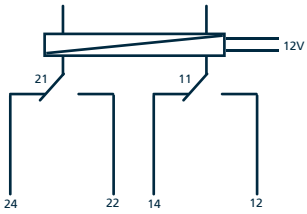
KRT wiring example - in active function



KRAL

Power supply 12 VDC/220 VAC for **KRT** relays coil.
Support up to 30 **KRT** relays
Fixing DIN rail

KRT coil wiring example - in active function



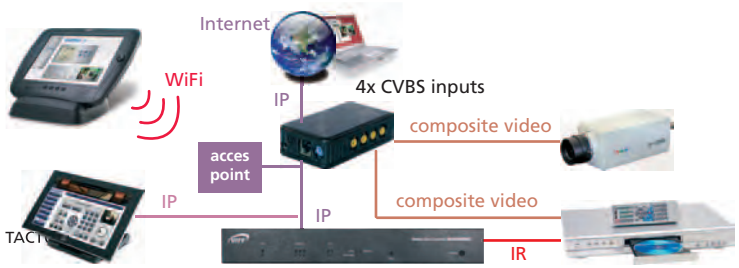
TCP/IP Hub

SOH9DCE: 8 ports 10/100Mbps desktop hub
SOH16RCE: 16 ports 10/100Mbps desktop hub

VS 9100A Web Server

Low cost video audio web server with 4 video inputs and 1 audio input
Allows to control 4 video inputs sources with only one IP address setting.
Fit into a **MBC** system for résidential and professional applications.
The application developped by Fastoch software allows to visualize on TACTUM's monitor, streaming video images.
It's possible to visualize from a standard PC and a web browser the four sources.
Totally standalone, the server works without PC.
Compatible Yahoo and MSN messenger.
Thanks to its software firmware motion detect function, **VS 9100A**, it only records necessary sequences and sequence search more efficient.
Can send recorded events by email in "JPEG" or "AVI" format.
Delivered with power supply and software.

SPECIFICATIONS	
Inputs	4 CVBS on RCA connectors 1 audio on RCA connector
Resolution	640 x 480, 352 x 228, 320 x 240, 176 x 144
Network	10/100 Mbps Ethernet (RJ45 connector)
Protocols	HTTP, TCP/IP, UDP, RARP, PING, DNS, DDNS, ARP, DHCP, BOOTP or PPPoE.
Web Browser	Internet explorer and Netscape
Software	IP Server Software
Motion detect	3 sensitivity level settings
Display	Mosaïc 1x1, 2x2, 3x3, 4x4
POWER SUPPLY	
Power supply	5V - 2.6A
Consumption	16W max
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	100 x 32 x 58 mm
Weight	105g



SP 5521 IP Camera

IP color camera + audio for Ethernet network
Allows to visualize video and audio on any IP terminal: **TACTUM XP**, **TACTUM DKP**, **TACTUM MXP**
Built-in web server, video and audio can be visualized through a web browser.
10/100 Base/T Ethernet access.
Resolutions: 640x480
Timer schedule for snapshot.
Video capture saved as "avi" and "jpg".
Motion detection function.
Email alarm mode.
Power supply: 5V - 2.5A (delivery).
Weight: 800 g

PC2MATY

PC2MATY application examples

What is PC2MATY

PC2MATY® is a specific software developed by VITY company to makes program for VITY's touch panels and keypads (**VIMATY**, **TACTUM** & **PADMATY)** and also program controllers (**MAXIMONO/MULTICUSTOM/MINIMONO and CUSTO series)** in standalone mode.

PC2MATY® is very easy to use : create windows, buttons, actions, macros by a simple drag and drop. The user interface can be entirely CUSTOmized with bitmaps, icons... from Vity's libraries, user defined libraries or any bitmaps files. Text on button can be write in any **languages/alphabets and fonts**. To enhance your application visual style the buttons can be animated.

The definition of devices (VCR, DVD, Video projectors, electric screens, VCA, 0-10 Volts, ...) is very simple and fast to program. For KNX, infrared, RS-232 type devices, the user have the possibility to use predefined libraries or to create new ones.

Each element or object of the user's application is referred by a name - not by numbers - for an easy and clear navigation in your project architecture.

The standalone is a special mode that allows the controller to work without touch panels ou keypad like **Vimaty/Padmaty**. In this case the macro or actions are launched by GPI and/or RC5 infrared codes.

Standalone mode can manage Timeline : a set of actions can be executed at a precise time (1/10s). The timeline is graphically represented and the actions are set following the representation of the axis timeline. It can be simulated with **PC2MATY®**. Due to the precision and the simplicity of the Timeline, it is mainly used for museum light show ...

During application development, **PC2MATY®** can execute macros (set of actions link to a GPI/RC5 code in standalone or link to a button in **Vimaty/Padmaty** programming) to help real time testing, simulating and debuging.

PC2MATY® offers an innovating and easy solution for RS232 feedback and informations management from videoprojectors, routing switchers, microphones systems etc.

Doing an application with **PC2MATY®** doesn't required any programming knowledge.

unique & original feature

One distinctive feature and unique feature of **PC2MATY** and **FASTOCH** is to include photos, images, drawing and nay bitmap elements into the applications.
This is possible because application are stored into **TACTUM** or **VIMATY** VITY's touch panels and not into the controller contrary to our competitors.

FASTOCH "FLH"

Fastoch application examples

What is Fastoch FLH

N**ow** VITY offers the possibility to program its TACTUM touch panel with Macromedia Flash. Based on the leader platform of animated and vector design and appreciated by the main web actors, this kind of programming as a lot of advantages for the design, interactivity and functionalities.

Non-stop creativity:
The possibilities of creation are unlimited with animations, video streaming, shadows effects, transparency, text scrolling, etc.

Maximum interactivity:
Easy integration of external resources as RSS stream for weather news, e-news, any web info, etc. Macromedia Flash is very popular and a lot of components and resources are available on the Internet.

Permanent evolution:
Flash evolution is permanent and still offers more and more functionalities.

Optimal MBC compatibility:
The integration with VITY's MBC systems is really easy with in depth control. The communication possibilities between screens and controllers are optimized: real time feedback, events start, macros, centralization or dispatching commands to several server core …

Simplified multiplatform export:
Flash can be integrated on various supports as PDA, PC, cell phones …
Touch panel flash programming can be easily exported to those platforms and makes home automation really accessible.

Remote supervision:
With its client/server architecture, the system can be remotely supervised for maintenance, updates, checking system state …

PC2MATY timeline manager

MAXIMONO, **MULTICUSTOM** and **MINIMONO** can work in standalone mode without external remote control and can play commands and macros spread out time thanks to "Timeline manager" software.
Actions are started by the **MBC** controller GPI inputs, presence detection, contact, relays, IR, ...
Timeline manager allows to program and activate audiovisuals and automation sequences.
The audiovisual sequences concern devices like DVD players, CD players, videoprojectors, plasma and LCD screens, ...
Automation sequences concern lights dimmers, relays, etc ...

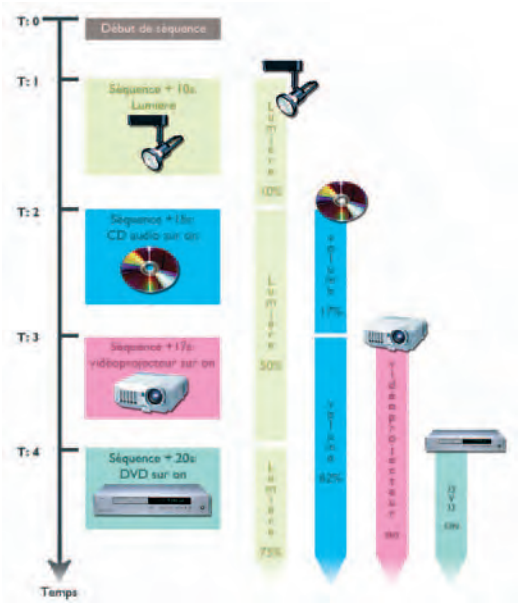
MBC CONTROLLER

All devices are linked to the **MBC** controller which is the heart of the system. This controller is the heart of the system

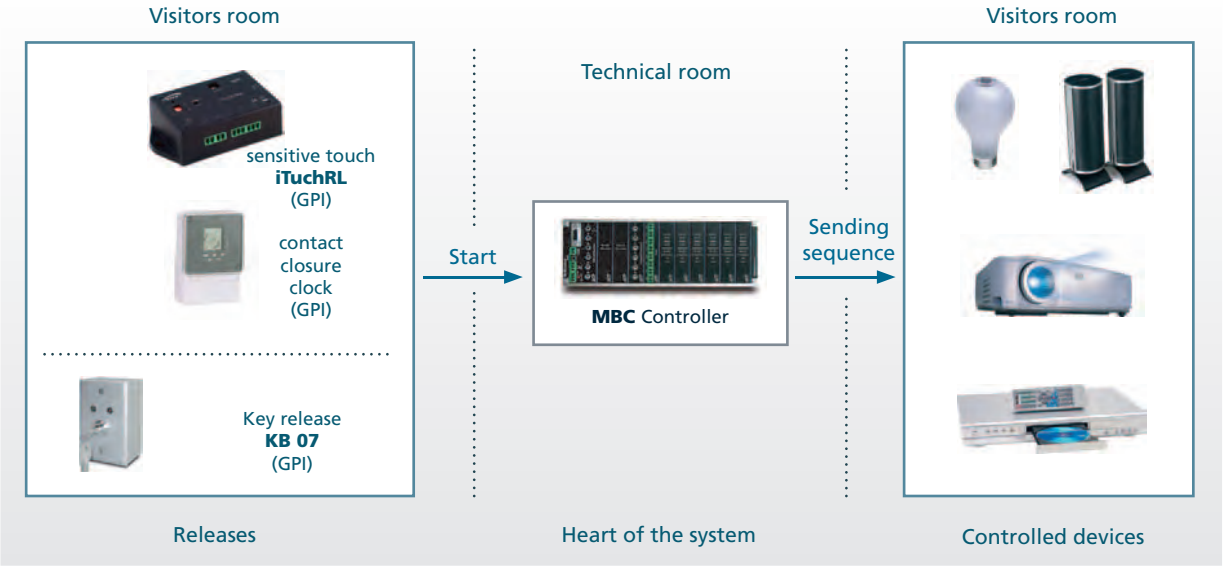
RS232 or Ethernetl ink

PROGRAMMING

The "timeline manager" application is developed by **PC2MATY** PC software. Then directly loaded from the PC into the **MBC** controller by RS232 or Ethernet.



TIMELINE MANAGER SYSTEM DIAGRAM



MBC 7

MBC7 is a management, supervision, security and energy saving system for distant remote control for buildings, hotels, co-ownership houses, hospitals and schools.

The principe is simple: Each apartment, hotel room, house or classroom has its own internal home automation or control room system: "**MBC**". This system allows the resident to locally manage home automation (curtains, lights, heater, ...) and audiovisual (Plasma screen, satellite, HiFi, Home Theater, ...), energy saving as well as the personnal security system.

When the resident leaves, **MBC7** system takes charge of the supervions instead of the **MBC** system. **MBC 7** is in charge of the supervision and management through its "**security manager**" interface.

For classroom **MBC7** can program events, control the videoprojector lamp lifetime, the status of the devices in each classroom, do technical support. **MBC7** is very helpful for maintenance. It also have a function to supervise theft by devices presence dectection.

MBC7 is made of a central **MBC** controler linked to a unique and central PC or to a **TACTUM** touch panel with "**Security Manager**" software. Placed into a supervision office (buildings, hotels, schools, ...) and linked to the supervised area by Ethernet.

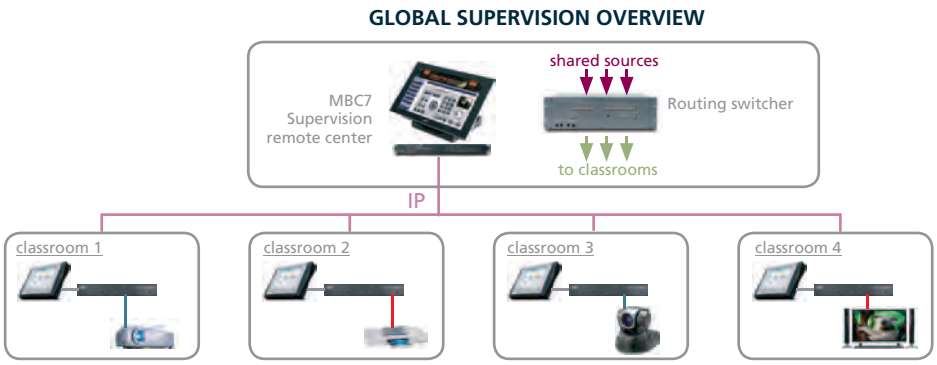
MBC7 is compatible with the main bus system (KNX, LON-BUS, Modbus, J-Bus, OPC server ans SNMP servers) and the main intercom systems (Philips, Schneider, Siedle).

MBC7 can be used for institutional markets (fireman, police, security) to supervise hot spot or public areas (buildings, stations, airports, factories, park, ...).

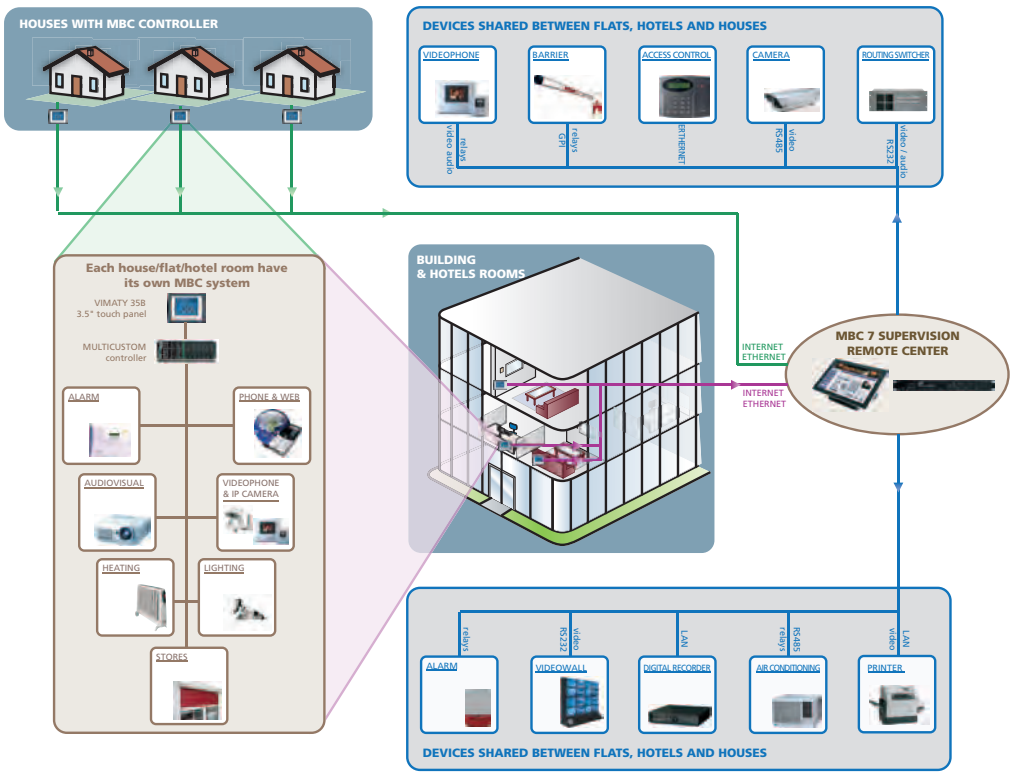
Security Manager: Supervision and management software allows to program events, to control the status of devices. Its graphical interface allows you to supervise video alarm and to visualize them as an animated graphic and/or printed events.

MBC7 is composed of **TACTUM 15DKP** or **PC** + **MBC IP controller** + **Security Manager** software

CLASSROOM APPLICATION



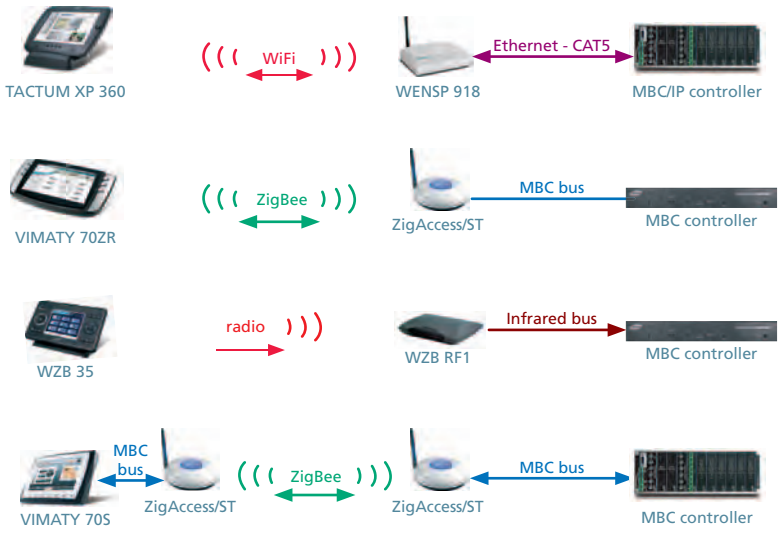
BUILDIING - HOTELS - HOME - APPLICATION



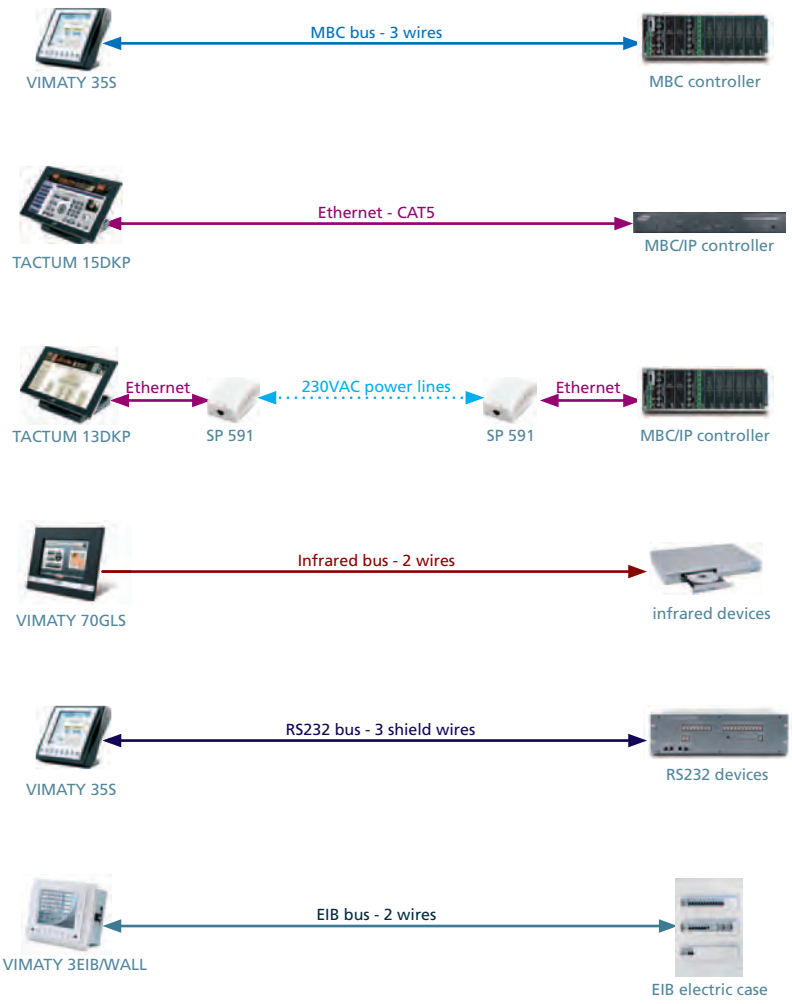
general synoptic

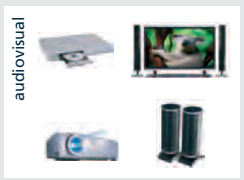
kind of communication

WIRELESS



WIRED



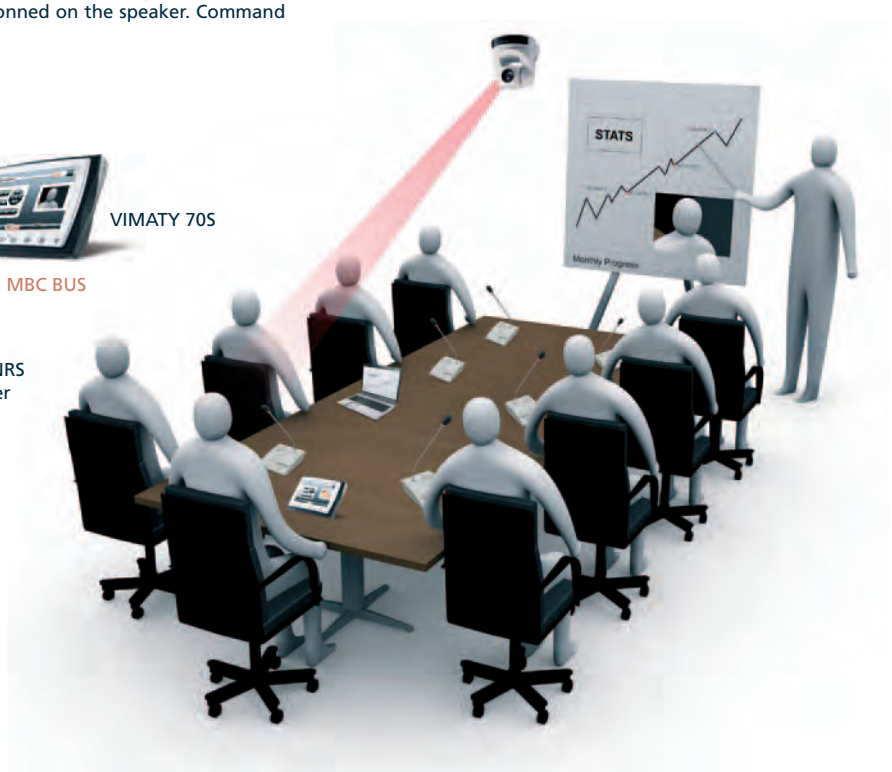


Examples synopsis

Conference Room

Hardware solutions and **MBC** software can control microphones system and cameras for conferences rooms, security systems or supervision.

Example:
When a someone wish to speak, it press the microphone button and immediately the **EVI D70P** camera focus on the person. **VIMATY 70** supervise the audio level, delegates the speech and visualize on its screen the video from the camera positionned on the speaker. Command are made by a **MBC** controller such as a **CUSTOLAN RS**.



Hardware and application software
available for all microphone brand:
SENNHEISER, DIS, BOSCH, PHILIPS, beyer, televic, ...

PARTNER KNX application

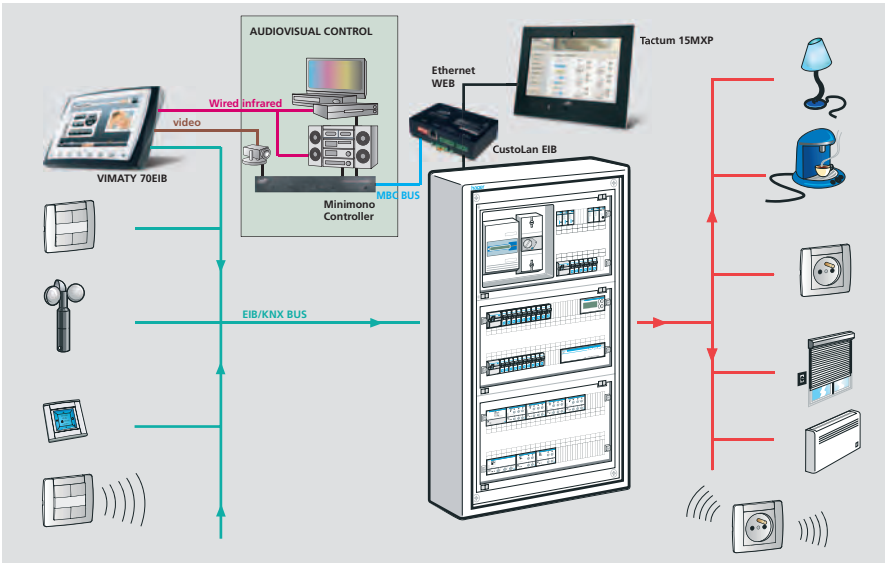
VIMATY DIRECT CONTROL EIB/KNX

KNX is communication protocol for intelligent buildings.
KNX is an "open bus", it allows to link into an electric closet every kind of **KNX** components switchs, dimmers, relays, meteo station, clock program, ...

VIMATY touch panel range can directly drive through one twisted pair all **KNX** components without additional interface. For home application, all the infrared audiovisual devices can be directly driven by **VIMATY** touch panel or through **MBC** controller if RS232, VCA or contact closure is needed.
With **CUSTO LAN EIB MBC** gateway controller, it is possible to control **KNX** components through IP or Web with **TACTUM** touch panel series or by a standard computer.

Benefits:
Do not required controllers and relays usually used between touch panels and electric power components anymore.
Save up wiring, space and increase reliability.

VIMATY touch panels are technically very interesting, they have a direct connection for **KNX** 2 wires bus to control any EIB modules of the market (HAGER, SIEMENS, MARTEN, ABB, JUNG, THEBEN, GIRA, BERKER, SIEDLE, ...).



Application with electric components from hager

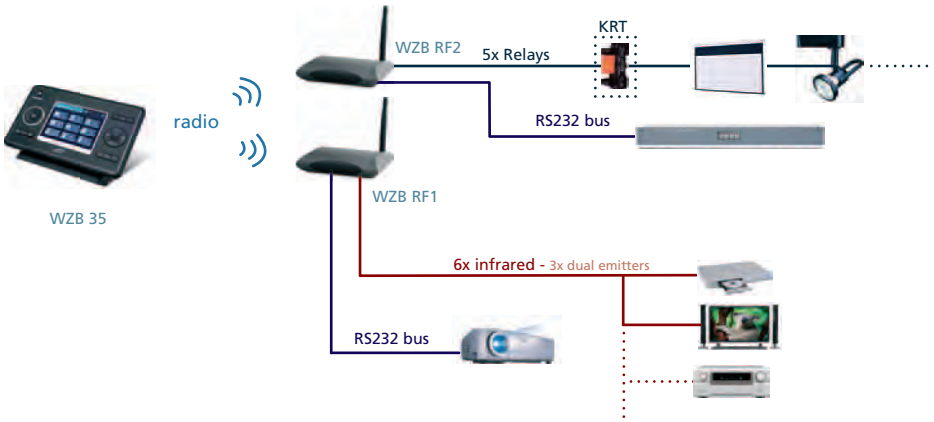
CUSTO packages

CUSTO packages consist of a small touch panel (**VIMATY** or **WZB 35**) combine with a **CUSTO RLRS** controller, infrared repeater and IR emitters. This package allows to control by a simply way several devices in IR, 2 in RS232 and 4 relays. These packages meet completely the requirement of a small meeting room or classroom control for a very affordable prices and with the usability of a VITY's touch panels.

WZB35KIT Infrared Wireless Mode

contains: 1x WZB 35 - 1x WZB RF1 - 1x WZB RF2 - 1x CUSTO RLRS - 3x dual infrared emitters

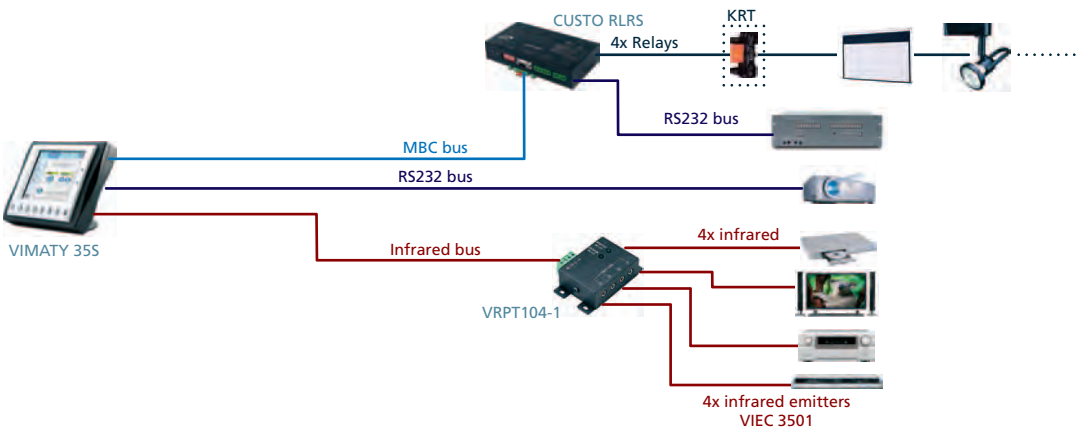
control up to 2x RS232 - 5x relays - 6x infrared



VIMAKIT 35S Wired Mode

contains: 1x VIMATY 35S - 1x CUSTO RLRS - 1x VRPT104-1 - 4x VIEC 3501A

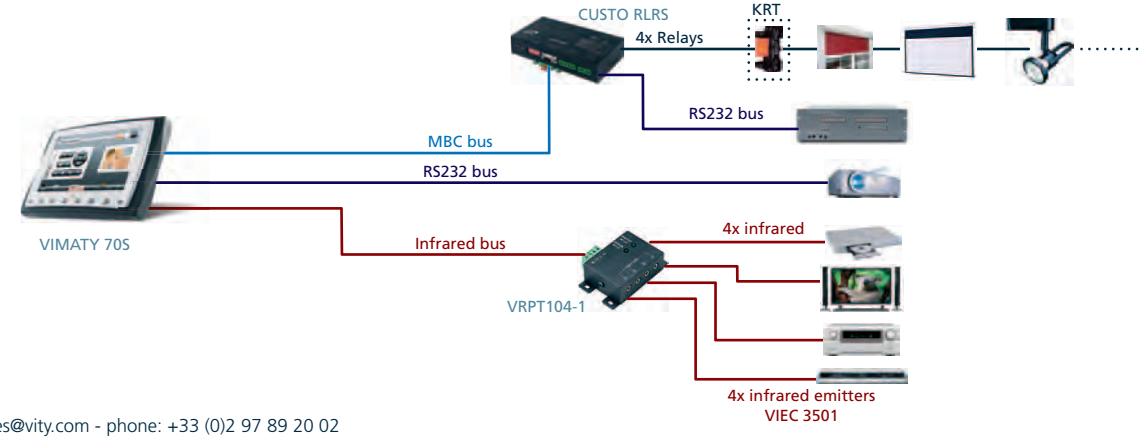
control up to 1x RS232 - 4x relays - 4x infrared



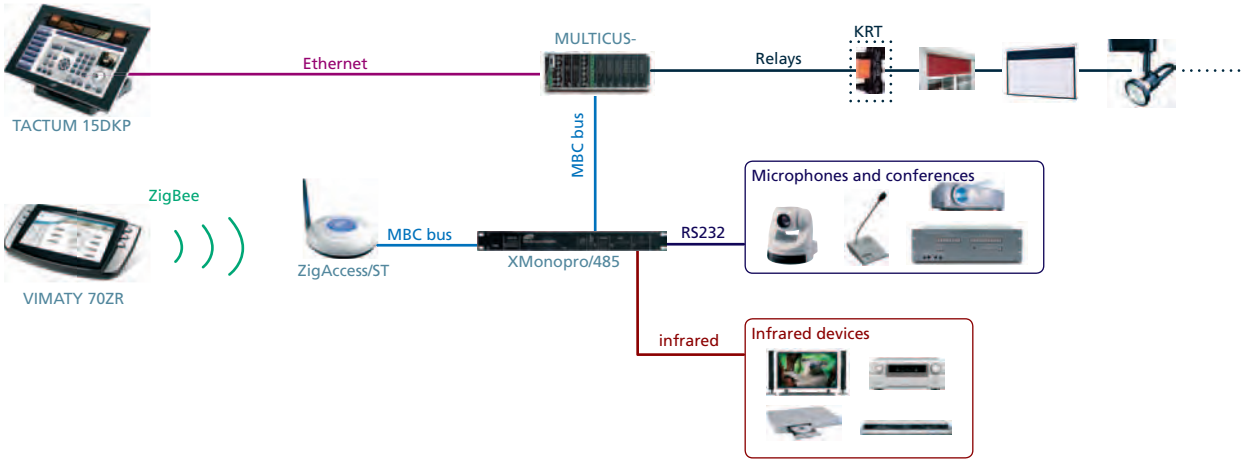
VIMAKIT 70S Wired Mode

contains: 1x VIMATY 70S - 1x CUSTO RLRS - 1x VRPT104-1 - 4x VIEC 3501A

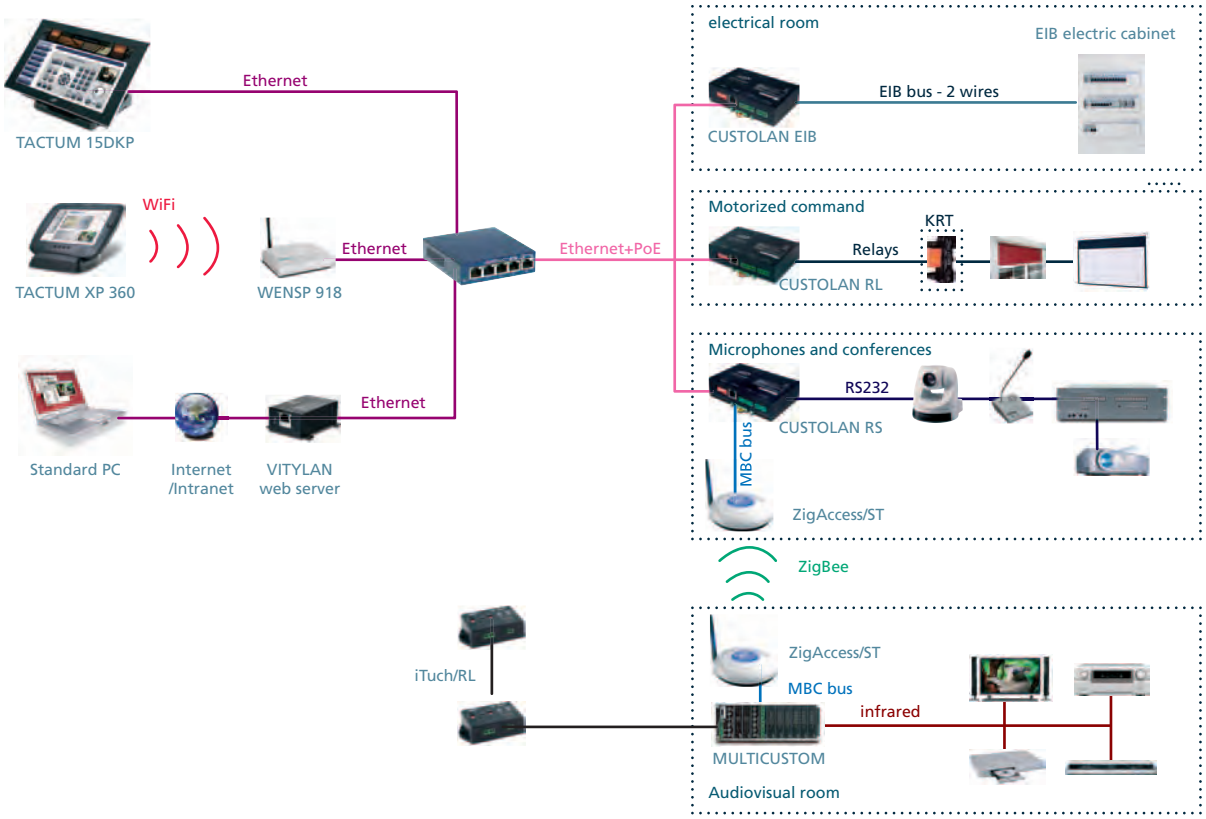
control up to 1x RS232 - 4x relays - 4x infrared



conference room



multi-applications room



GENERAL SPECIFICATIONS SUMMARY

user's interface

	WZB 35	VIMATY 35S	VIMATY 35EIB	VIMATY 35S/WALL	VIMATY 35EIB/WALL	VIMATY 70S	VIMATY 70EIB	VIMATY 70S/GLS	VIMATY 70EIB/GLS	VIMATY 70ZR	PADMATY 20S	PADMATY 20S-D	TACTUM XP 360	TACTUM XP 310	TACTUM 10MXP	TACTUM 15MXP	TACTUM 13DKP	TACTUM 15DKP	ITUCHRL
COLOR	● |	● | ●	● | ●	● | ●	● | ●	● | ●	● | ●	● | ●	● | ●	● | ●	● | ●	● | ●	●	●	●	●	● ●	● ●	●
CASE	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS	POLY.	ABS	ABS	MAGNE	MAGNE	METAL	METAL	METAL	METAL	ABS
CONSUMPTION	N.C.	200MA	200MA	200MA	200MA	700MA	700MA	700MA	700MA	700MA	200MA	200MA	3.5A	3.5A	4A	4A	4A	4A	18MA
POWER SUPPLY	9V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V
ONWALL	-	-	-	•	•	-	-	-	-	-	•	-	-	-	•	•	-	-	-
INWALL	-	-	-	•	•	-	-	•	•	-	•	-	-	-	•	•	-	-	-
DESKTOP	•	•	•	-	-	•	•	-	-	•	-	•	•	•	-	-	•	•	-
OPERATING SYSTEM	N.C.	OS VITY	OS VITY	OS VITY	OS VITY	OS VITY	OS VITY	OS VITY	OS VITY	OS VITY	OS VITY	OS VITY	WIN. XP	WIN. XP	WIN. XP	WIN. XP	WIN. XP	WIN. XP	-
PROGRAMMING SOFTWARE FAS.: FASTOCH FLH PC2M: PC2MATY	-	PC2M	PC2M	PC2M	PC2M	PC2M	PC2M	PC2M	PC2M	PC2M	PC2M	PC2M	FAS.	FAS.	PC2M	PC2M	PC2M	PC2M	-
USB PLUG	•	-	-	-	-	-	-	-	-	-	-	-	1	1	4	2	2	2	-
OPTIONAL TV TUNER	-	-	-	-	-	-	-	-	-	-	-		-	-	•	•	-	-	-
SPEAKER	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	•	•	•	-
MICRO INPUT	-	-	-	-	-	-	-	-	-	-	-	-	•	•	-	•	-	-	-
AUDIO OUTPUT	-	-	-	-	-	-	-	-	-	-	-	-	•	•	-	•	•	•	-
AUDIO INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
VIDEO INPUT	-	-	-	-	-	•	•	•	•	-	-	-	-	-	-	2	2	2	-
ETHERNET	-	**	**	**	**	**	**	**	**	-	-	-	-	-	•	•	•	•	-
EIB-KNX DIRECT CONTROL	-	-	•	-	•	-	•	-	•	-	-	-	-	-	-	-	-	-	-
RS232 DIRECT CONTROL	-	•	-	•	-	•	-	•	-	-	•	•	-	-	•	•	•	•	-
MBC BUS	-	•	•	•	•	•	•	•	•	-	•	•	-	-	•	•	•	•	-
GPI - LOGICAL INPUT	-	•	-	•	-	•	-	•	-	-	•	•	-	-	-	-	-	-	+
WIRED INFRARED OUTPUT	-	•	•	•	•	•	•	•	•	-	•	•	-	-	-	-	-	-	-
WIRED INFRARED INPUT	-	•	-	•	-	•	-	•	-	-	•	•	-	-	-	-	-	-	-
WIRELESS INFRARED OUTPUT	•	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-
WIRELESS INFRARED INPUT	-	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-	-
MBC ZIGBEE TRANSMISSION	-	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-
WIFI TRANSMISSION	-	-	-	-	-	-	-	-	-	-	-	-	•	•	*	*	*	*	-
RADIO TRANSMISSION	•	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-
PRESENCE DETECTION	⁂	•	•	•	•	•	•	•	•	-	•	•	-	-	-	-	-	-	-
RESOLUTION	QVGA	QVGA	QVGA	QVGA	QVGA	WGA	WGA	WGA	WGA	WGA	-	-	SVGA	SVGA	WXGA	WXGA	WXGA	WXGA	-
NUMBER OF COLORS	65K	65K	65K	65K	65K	65K	65K	65K	65K	65K	-	-	262 144	262 144	262 144	262 144	262 144	262 144	-
RESISITIVE TOUCH SCREEN	•	•	•	•	•	•	•	•	•	•	-	-	•	•	•	•	•	•	-
SCREEN SIZE	3.5"	3.5"	3.5"	3.5"	3.5"	7"	7"	7"	7"	7"	-	-	8.4"	10"	10"	15"	15"	15"	-

+ : GPI - iTuchRL output
* : wifi option
** : ethernet option thru VITYLAN gateway
⁂ : motion detection

controllers

	DIMENSION S	CASE	POWER SUPPLY	MONOCARD	MODULAR	MBC BUS COMMUNICATION	ETHERNET COMMUNICATION	MBC ZIGBEE COMMUNICATION	WEB SERVER - GATEWAY	PoE : POWER OVER ETHERNET	TIMELINE MANAGER	INPUTS			OUTPUTS				INPUTS/ OUTPUTS										INFRARED LEARNING	KRT RELAYS ADVISED	POW. SUPP. 230VAC PLUG
												GPI	ANALOGIQUE	INFRAROUGE RC5	RELAIS	INFRAROUGE	0/10VOLTS	0/10VOLTS ISOLÉE	RS232	RS422	RS485	VCA	MIDI	X10	KNX	DMX 512	DALI			
MULTICUSTOM/485	19"	METAL	12V	-	•	•	-	-	-	-	•	8	8	6	8	6	8	-	2	-	-	2	-	1	1	-	-	•	•	-
MULTICUSTOM/IP	19"	METAL	12V	-	•	•	•	-	•	-	•	8	8	6	8	6	8	-	2	-	-	2	-	1	1	-	-	•	•	-
MAXIMONO/485	19"	METAL	12V	•	-	•	-	-	-	-	•	4	-	2	6	6	-	-	6	•	•	2	-	-	-	-	-	•	•	-
MAXIMONO/IP	19"	METAL	12V	•	-	•	•	-	•	-	•	4	-	2	6	6	-	-	6	•	•	2	-	-	-	-	-	•	•	-
MINIMONO/485	19"	METAL	12V	•	-	•	-	-	-	-	•	4	-	2	6	6	-	-	2	-	-	-	-	1	-	-	-	•	•	-
MINIMONO/IP	19"	METAL	12V	•	-	•	•	-	•	-	•	4	-	2	6	6	-	-	2	-	-	-	-	1	-	-	-	•	•	-
CUSTOLAN RS	DIN	METAL	12V	•	-	•	•	-	-	•	-	-	-	-	-	-	-	-	2	•	•	-	-	-	-	-	-	-	-	-
CUSTOLAN RL	DIN	METAL	12V	•	-	•	•	-	-	•	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	-
CUSTOLAN EIB	DIN	METAL	12V	•	-	•	•	-	-	•	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
CUSTO RLRS	DIN	METAL	12V	•	-	•	-	-	-	-	-	-	-	2	4	-	-	-	1	-	-	-	-	-	-	-	-	-	•	-
CUSTOLAN MIDI	DIN	METAL	12V	•	-	•	•	-	-	•	-	-	-	-	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-
CUSTOLAN DALI	DIN	METAL	12V	•	-	•	•	-	-	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
VITYLAN	-	METAL	12V	•	-	•	•	-	•	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RS232-DMX512	-	METAL	12V	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	•	-	-	-	-
ZIG ACCESS-MB	-	ABS	12V	•	-	•	-	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZIG ACCESS-KI	-	ABS	29V	•	-	-	-	•	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	•	-	-
ZIG ACCESS-S2	-	ABS	12V	•	-	•	-	•	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-

* : PoE IEEE802.3af mode A norm for **VITYLAN** only

Controllers

MULTICUSTOM

MAXIMONO

MINIMONO

CUSTO Modules

CUSTOLAN RL

CUSTOLAN RS

CUSTOLAN EIB

CUSTO RLRS

CUSTOLAN MIDI

CUSTOLAN DALI

User's Interface: touch panels and remote control

TACTUM XP 360

TACTUM XP 310

VIMATY 35

VIMATY 70

VIMATY 70ZR

iTuch

PADMATY 20

TACTUM 10MXP

TACTUM 15MXP

TACTUM 13DKP

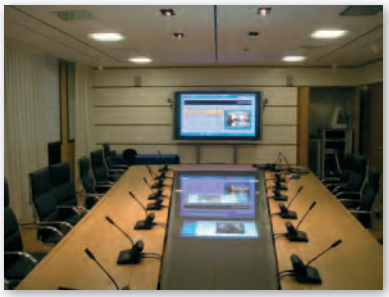
TACTUM 15DKP

INSTALLATIONS EXAMPLES

EUROPE

Congress room

Presentation room



Conference room

County meeting room

Integration example

Meeting room

Amphitheater

Installations realized by: INTERVIDEO - TRANSELEC - LUNISON - COBRA VIDEO - ASVIDECOM - FRIDILEC GUICHARD RAGAU

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UNITED STATES . ASIA . CHINA . MIDDLE EAST

Water Cycling Management, Beijin - China

Training room, NASA - Florida, USA

Conference room - Middle East

Crisis room, electrical power, Guangdong - China

China Resource HeadQuarter, Shenzhen - China

York Hong Kong Head Office - Hong Kong

Qingdao Convention center - China

Realized by: VITY ASIA - VITY CHINA and theirs fitters

UNE INTÉGRATION...
SANS CONCESSION !
Installation
EUROPE
incorporating...
residential systems
Songs of praise
Can Europe's w
match America
New TACTUM Touch Panels At Vity
Vity Is In A Controlling Mood
Vity's WZB 35 remote control
Vity's affordable touch
Vity brings new panels to the party
Three new products will be on show from Vity at ISE. The Tactum DKP is a new range of wide screen format panels designed for the corporate market. It is available in 13.15 and 17" wide sizes.
Similar to the DKP, the Tactum MXP is a range of wall mounted touch panels for the residential and hospitality markets. They can also connect via an IP connection do devices such as entry cameras or video servers. Additionally, they can communicate via the KNX standard to devices such as electronic shutters, HVAC systems or environmental control.
Finally the Custo LAN DALI is a small controller which can operate DALI lighting devices via Ethernet or Vity's MBC bus.
www.vity.com
Stand #1119
Heimsteuerungen von VITY
38 INFOCOMM ASIA NEW PRODUCTS
VITY TACTUM Touch Panels
Vity demonstrates appliance control
Vity Technology, label Sitem 2006

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